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MIL-STD-1171A (AR)

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MILITARY STANDARD

**ACCEPTANCE AND DESCRIPTION SHEETS
(FOR PROPELLANTS AND EXPLOSIVES)**



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FOREWORD

1. This military standard is mandatory for use by the Department of the Army.
2. Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, U.S. Army ARDEC, ATTN: SMCAR-BAC-S, Picatinny Arsenal, NJ 07806-5000, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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APPENDIX

BLANK SAMPLE ACCEPTANCE AND DESCRIPTION SHEETS FOR
PROPELLANTS, EXPLOSIVES AND CHEMICALS

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1. SCOPE

1.1 Purpose. This standard provides guidelines, and lists all mandatory information required for the preparation of propellant description sheet, propellant acceptance sheet, rocket propellant description sheet, rocket propellant acceptance sheet and description sheet for explosives, chemicals, etc.

1.2 Application. The acceptance description sheet is a record showing the method of production and the results of inspection performed. In general, description sheets assist in the performance of such functions as determining the quality of propellants or explosives, comparing and evaluating the processes of various loading plants producing the same item, investigating the cause of trouble, and facilitating future surveillance and renovation.

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2. APPLICABLE DOCUMENTS

This section is not applicable to this standard.

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3. DEFINITIONS

This section is not applicable to this standard.

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4. GENERAL REQUIREMENTS

4.1 Acceptance and description sheet. Acceptance and description sheets will be prepared for each lot of propellants, explosives, and chemicals when specified in the Contract or Specification.

4.2 Supplemental acceptance and description sheet. Supplemental acceptance and description sheets will be prepared under the following conditions:

- a. When the status of a lot is changed, or when a previously suspended, rejected, or incomplete lot is submitted for ballistic tests, a supplemental lot description sheet will be prepared, outlining the reason for the changed status.
- b. When a rejected or suspended lot is reworked, a supplemental description sheet will be prepared for such renovated lot, describing the background of the lot, the rehabilitation performed, and the results of plant inspection and testing after reworking.

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5. DETAILED REQUIREMENTS

Individual requirements for the propellant description sheet, propellant acceptance sheet, rocket propellant description sheet, rocket propellant acceptance sheet and description sheet for explosives and chemicals are detailed in sections 5.1 to 5.5. Blank sample sheets are included in the appendix for possible applications.

5.1 Propellant description sheet.

5.1.1 Purpose. The propellant description sheet is used to show the identity of the lot, acceptable blend numbers of nitrocellulose, data concerning the manufacturing process and some process control test results, die sizes, and the results of physical and chemical acceptance tests on each lot of propellant other than rocket propellant. It serves as a statement of inspection of the lot of propellant.

5.1.2 Preparation. The responsibility for proper preparation of the propellant description sheet rests with the inspector. However, since the contractor is required to supply much of the information necessary to complete the form, duplication of effort will be avoided if the information is supplied by the contractor on the form itself, but such action in no way relieves the inspector of his final responsibility for the report, to the correctness of which he must attest by signature.

- a. A propellant description sheet will be prepared for each lot of propellant, other than rocket propellant, manufactured, reworked, or reblended.
- b. When a lot, previously accepted, is reblended or reworked, a supplemental propellant description sheet will be prepared to indicate the added processing and the results of any added acceptance tests.
- c. When a lot of propellant is produced by blending together several lots which have been previously accepted as individual lots, the quantities of propellant in pounds, type of propellant, lot numbers, and the weapon and model for which each lot is intended will be shown on the reverse side of the propellant description sheet.

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Example:

Propellant comprising this blend is as follows:

1742 lb. Prop., M1, IND.
Lot 15136 for 155MM Gun, M1, Charge, M19

26457 lb. Prop., M1, IND.
Lot 30708 for 155MM Gun, M1, Charge, M19

13337 lb. Prop., M1, IND.
Lot 30709 for 155MM Gun, M1, Charge, M19

3608 lb. Prop., M1, IND.
Lot 30711 for 155MM Gun, M1, Charge, M19

26121 lb. Prop., M1, IND.
Lot 32670 for 155MM Gun, M1, Charge, M19

71265 lb. approximate weight before blending.

- d. Normally, results of tests will be reported to the number of decimal places required in the test procedure, but never to less than the number of decimal places shown in the specification or other applicable requirements. For purposes of establishing acceptability, the test results will be considered as acceptable when the results, as rounded off to the number of decimal places shown in the specification, do not exceed (or fall below) the expressed requirements. In rounding off the numerical values of test results, the last significant figure (the terminal decimal figure of the expressed requirement) will be increased by one when the discarded figure is five or greater.

5.1.3 Required information. Instructions are provided to fill out a sample propellant description sheet with required information inputs. Paragraphs have been numbered to correspond with the numbers on the sample sheet. Propellant description sheets, other than the indicated sample sheet, may be used as long as these sheets contain all required information and with basically similar format as the sample sheet. A blank sample sheet is included in the appendix. The propellant description sheet shall contain as a minimum the following information:

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SPACE 1. LOT NUMBER. Enter the lot number assigned by the contractor with the approval of the contracting officer and the year of manufacture.

SPACE 2. COMPOSITION NUMBER. Show the composition number, type grain, and, for small arms propellant, the IMR number.

Example:

M10, Type I, M12, IMR 5010.

SPACE 3. FOR. Show weapon model, and projectile for which the lot was intended.

SPACE 4. MANUFACTURED AT. Give the manufacturer's name and plant location, as contained in the contract or production order. In the case of a Government-owned works or arsenal, use the title of the works or arsenal.

SPACE 5. PACKED WEIGHT. Show the weight in pounds as packed.

SPACE 6. CONTRACT NUMBER. Give the applicable contract number.

SPACE 7. DATE. Enter the date of the contract.

SPACE 8. SPECIFICATION NUMBER. Show the applicable specification number, drawing number, revision and date.

SPACE 9. NITROCELLULOSE. Show the acceptable blend numbers of nitrocellulose used in the lot. Indicate whether the lot is made from cotton linters or wood sulfite cellulose.

SPACE 10. NITROGEN CONTENT
K.I. STARCH TEST
(65.5 DEGREES C)
STABILITY TEST
(134.5 DEGREES C)

List the maximum, minimum, and average results of these tests for the nitrocellulose used in the lot.

SPACE 11. MANUFACTURE OF PROPELLANT. List the weight of solvent per pound of NC and the percentages of ether, alcohol, or acetone used as solvents. List the percent of remix to whole.

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SPACE 12. PROCESS-SOLVENT RECOVERY AND DRYING. List temperatures and time cycles for solvent recovery and drying operations. Drying operations include water-dry and air-dry.

SPACE 13. TESTS OF FINISHED PROPELLANT. Enter the constituents of the propellant, the formula (nominal or as specified) and the percentages as determined by acceptance analysis in the "Composition" block. Enter results of acceptance test for stability (minutes), form of grain, number of perforations, and compression test results in the "Stability and Physical Tests" block.

SPACE 14. CLOSED BOMB. Enter the Lot Number and the Standard Number, temperature, relative quickness, relative force, and method. Additional information such as burning rate, absolute density, compressibility can be entered in the Remark Section. Differential pressure/differential time vs pressure plots can be attached to the propellant description sheet.

SPACE 15. DIE (INCHES). List actual physical dimensions of the die used.

SPACE 16. Under column headed "finished", list dimensions of finished propellant grain (average) as determined by measurement.

SPACE 17. Under column headed "uniformity by standard deviation, %", list (for length and diameter) results of calculation of standard deviation in percent of mean dimensions.

SPACE 18. Show date packed, date offered, date sampled, date tests completed, and date description sheet forwarded to the contracting officer. The term "date offered" is defined as the date on which the manufacturer notifies the inspector that the lot is ready to be sampled. Show type of packing box used, including box drawing number and applicable revision date.

SPACE 19. REMARKS. Enter the name of the organization that the lot is manufactured for. Enter statement that lot either meets specification requirements or fails to meet one or more of such requirements. Add any information as to unusual conditions of manufacture which could affect usability of the lot.

SPACE 20. CONTRACTOR REPRESENTATIVE. The representative signing for the contractor should be an official of sufficient authority to exercise control over the contractor's inspection and production. His signature should appear over his typed name.

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SPACE 21. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE. The signature of the Quality Assurance Representative, or a person designated to sign for him, is required to indicate Government acceptance insofar as physical and chemical requirements are concerned. The signature of the individual will appear above his typed name.

5.1.4 Distribution. Normal distribution of the Propellant Description Sheet will be as follows:

U.S. Army ARDEC Picatinny Arsenal, NJ 07806-5000	
Attn: SMCAR-AEE-B	1 copy
Attn: SMCAR-QAR-R	1 copy
Inspection Office of Agency responsible for inspection	1 copy
Inspection Office of Agency Administering Contract (when different from above)	1 copy
Destination of Propellant	2 copies

5.1.4.1 Additional copies may be prepared to meet the internal distribution needs of the contracting officer or the contractor.

5.1.4.2 Distribution of such description sheets will be expedited to insure their delivery prior to the arrival of the material.

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5.2 Propellant acceptance sheet.

5.2.1 Purpose. The propellant acceptance sheet is an official document indicating acceptance or rejection of a propellant lot. The propellant acceptance sheet also serves as the authorization for loading the propellant in the indicated cartridges or propelling charges.

5.2.2 Preparation. A propellant acceptance sheet will be prepared for each lot of propellant manufactured (other than rocket-type propellants), and will indicate acceptance or rejection of the lot. The responsibility for preparation of the propellant acceptance sheet belongs with the QA directorate of the Procuring Activity. Actual preparation is usually delegated to the Resident Government Inspection Officer. Propellant acceptance sheets, when used to report results of inspection and rejection, will have the words "Accepted" or "Acceptance" obliterated and replaced with "Rejected" or "Rejection". Such reports will show clearly and explicitly the cause for rejection.

5.2.3 Required information. Instructions are provided to fill out a sample propellant acceptance sheet with the required information inputs. Paragraphs have been numbered to correspond with the numbers typed on the sample sheet. Propellant acceptance sheets, other than the indicated sample sheet, may be used as long as these sheets contain all required information, and with basically similar format as the sample sheet. A blank sample sheet is included in the appendix. The propellant acceptance sheet shall contain as a minimum the following information:

SPACE 1. WEAPON. Enter the name of the weapon in which the propellant is intended to be used.

SPACE 2. MODEL. Enter model number or numbers of the weapon in which the propellant is intended to be used.

SPACE 3. LOT NUMBER. Enter the propellant lot number.

SPACE 4. ACCEPTANCE DATE. Enter the date of final acceptance of the propellant lot.

SPACE 5. PRODUCED BY. Enter manufacturer's name as contained in the contract or production order.

SPACE 6. AT. Enter the geographical location of contractor's plant or the name of the Government plant or arsenal where the lot was produced.

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SPACE 7. CONTRACT NUMBER. Enter applicable contract number.

SPACE 8. WEIGHT OF LOT. Enter accepted weight of the lot. Note that the accepted weight is not always identical with the packed weight, since acceptance samples, which are always included in the accepted weight, are not always packed out with the balance of the lot.

SPACE 9. PROOF FIRED BY. Enter the name of the proving ground at which ballistic acceptance tests were conducted.

SPACE 10. FIRING RECORD NUMBER. Enter the number of the Firing Record, giving the results of the ballistic tests and the charge weight assessment for the propellant lot.

SPACE 11. PROJECTILE. Enter the model number of projectiles used in ballistic acceptance test.

SPACE 12. WEIGHT. Enter the weight, as fired, of projectiles listed in SPACE 11.

SPACE 13. PROJECTILE LOT NUMBER. Enter the lot number of the projectiles used in ballistic acceptance test.

SPACE 14. TEMPERATURE OF POWDER. Show the temperature, in degrees F., at which ballistic acceptance test was conducted.

SPACE 15. STANDARD PROPELLANT LOT. Give the lot number of the standard or reference propellant used in the ballistic acceptance tests.

SPACE 16. TYPE. Enter, if applicable, the numeral (I or II) indicating the type of propellant being accepted.

- a. The numeral "I" will be used for multi-perforated grains.
- b. The numeral "II" will be used for single-perforated grains.

SPACE 17. M. Enter the composition symbol, such as M1, M6, etc.

SPACE 18. AVERAGE WEB. Enter the average web of the propellant lot as measured. In the case of sheet propellant, such as mortar increments, enter the average sheet thickness.

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SPACE 19. SPECIFICATION. Enter the number of specification to which the propellant lot was manufactured.

SPACE 20. DATED. Enter the date the specification was issued.

SPACE 21. WITH REVISION. Enter the applicable revision of the specification cited in SPACE 19.

SPACE 22. DATED. Enter the date the applicable revision (SPACE 21) was issued.

SPACE 23. INCREMENT NUMBER. For zoned weapons, enter in proper order the numbers of the zones for which a charge was recommended on the basis of acceptance ballistic tests. No entry will be made for weapons which are not zoned.

SPACE 24. INCREMENT WEIGHT. For zoned weapons, enter opposite the zone number (SPACE 23) that weight of charge established for the individual increment, which, when added to the sum of the charge weights of all lower zones, will represent the charge recommended for that particular zone on the basis of ballistic acceptance tests.

SPACE 25. TOTAL INCREMENT WEIGHT. For zoned weapons, enter opposite the zone number (SPACE 23) the total weight of charge recommended for that particular zone on the basis of ballistic acceptance tests. For weapons which are not zoned, enter the weight of charge recommended on the basis of ballistic acceptance tests.

SPACE 26. PROJECTILE WEIGHT. Enter the weight of the projectile used in ballistic acceptance tests.

SPACE 27. VELOCITY, FEET/SECONDS. Enter the service velocity for which the projectile was designed. For zoned weapons, a service velocity will be listed opposite each zone entered in SPACE 23.

SPACE 28. PRESSURE, POUNDS/SQUARE INCHES. Enter the pressure predicted at recommended charge. For zoned weapons, a pressure prediction will be entered opposite each zone listed in SPACE 23.

SPACE 29. SIGNATURE. The signature of the person signing the acceptance report, and thus accepting the material, will appear over his typed name. Specimen signatures of all personnel (military and civilian) authorized by the Chief of the Quality Assurance Directorate (the Commanding Officer or the District Chief) to sign inspection documents must be kept on file.

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SPACE 30. WEAPON AND MODEL. Enter the name of the weapon, and model number of that weapon, for which loading is being authorized.

SPACE 31. TYPE. For complete rounds, enter the abbreviations for the types of shell or shot for which loading is being authorized, e.g., HE. For propelling charges, enter "Prop. Chg.".

SPACE 32. MODEL. Enter the model designation, such as M315, opposite the type listed in SPACE 31.

SPACE 33. PROJECTILE WEIGHT. For complete rounds, enter the weight of the projectile opposite its model number in SPACE 32. Make no entry for propelling charges.

SPACE 34. DRAWING. For complete rounds, enter the drawing number for the complete round opposite the model number listed in SPACE 32. For propelling charges, enter the drawing number of the propelling charge.

SPACE 35. DATE LAST REVISION. Enter the date of last revision of the drawing of the complete round or propelling charge.

SPACE 36. THIS LOADING AUTHORIZATION EXPIRES AFTER. Enter the month and year (normally five years from date of most recent assessment).

SPACE 37. LOADING AUTHORIZATION ISSUED TO. When applicable, enter the name of the specific loading plant to which loading authorization has been issued.

SPACE 38. SIGNATURE. The signature of the person signing the loading authorization will appear over his typed name.

5.2.4 Distribution. Normal distribution of the Propellant Description Sheet will be as follows:

U.S. Army ARDEC Picatinny Arsenal, NJ 07806-5000	
Attn: SMCAR-AEE-B	1 copy
Attn: SMCAR-QAR-R	1 copy
Inspection Office of Agency responsible for inspection	1 copy
Inspection Office of Agency Administering Contract (when different from above)	1 copy
Destination of Propellant	2 copies

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5.2.4.1 Additional copies may be prepared to meet the internal distribution needs of the contracting officer or the contractor.

5.2.4.2 Distribution of such description sheets will be expedited to insure their delivery prior to the arrival of the material.

PROPELLANT ACCEPTANCE SHEET		WEAPON 1	LOT NUMBER 3			
		MODEL 2	ACCEPTANCE DATE 4			
MFG BY 5 AT 6 CONTRACT NUMBER 7 WEIGHT OF LOT 8		PROOF FIRED BY 9 FIRING RECORD NUMBER 10 PROJECTILE 11 PROJECTILE LOT NUMBER 13 TEMPERATURE OF POWDER 14 °F STANDARD PROPELLANT LOT 15		PROVING GROUND		
PROPELLANT DESCRIPTION						
TYPE 16		M 17				
AVERAGE WEB 18						
SPECIFICATION		DATED		WITH REVISION		
19		20		21		
				22		
CHARGE WEIGHTS						
INCREMENT NUMBER	INCREMENT WEIGHT	TOTAL INCREMENT WT.	PROJECTILE WEIGHT	VELOCITY FT/SEC	PRESSURE LBS/SQ IN.	
23	24	25	26	27	28	
THIS PROPELLANT LOT IS ACCEPTED						
29 CHIEF QUALITY ASSURANCE DIVISION						
LOADING AUTHORIZATION						
THE PROPELLANT LOT DESCRIBED ABOVE MAY BE USED IN LOADING ANY OF THE AMMUNITION ITEMS LISTED BELOW EXCEPT WHERE QUANTITIES ARE SPECIFICALLY ALLOTTED FOR A PARTICULAR PURPOSE						
WEAPON AND MODEL		COMPLETE ROUND OR PROPELLING CHARGE				
		TYPE	MODEL	PROJECT WT	DRAWING	DATE OF LAST REV
30		31	32	33	34	35
THIS LOADING AUTHORIZATION EXPIRES AFTER 36 AT WHICH TIME REBLENDING OR REASSESSMENT WILL BE CONSIDERED.						
LOADING AUTHORIZATION ISSUED TO						
37 38 CHIEF QUALITY ASSURANCE DIVISION						

FIGURE 2. Sample propellant acceptance sheet

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5.3 Rocket propellant description sheet.

5.3.1 Purpose. The rocket propellant description sheet is a record showing the identity of the lot, acceptable blend numbers of nitrocellulose, data concerning the manufacturing process and some process control test results, and the results of physical and chemical tests on the lot. It serves as a statement of inspection of the lot of bulk propellant used in the manufacture of JATOS, rocket propelling charges, grains and assemblies.

5.3.2 Preparation. The responsibility for proper preparation of the rocket propellant description sheet rests with the inspector. However, since the contractor is required to supply much of the information necessary to complete the form, duplication of effort will be avoided if the information is supplied by the contractor on the form itself; but such action in no way relieves the inspector of his final responsibility for the report, to the correctness of which he must attest by signature.

- a. A rocket propellant description sheet will be prepared for each lot of rocket-type propellant manufactured or reworked.
- b. When a lot, previously accepted, is reworked, a supplemental rocket propellant description sheet will be prepared to indicate the added processing and results of any added acceptance tests.
- c. Normally, results of tests will be reported to the number of decimal places required in the test procedure, but never to less than the number of decimal places shown in the specifications or other applicable requirements. The specification limits are to be considered absolute when judging the acceptability of the test item. Rounding of the numerical values of the test results will be permitted within the number of places shown in the specification.

5.3.3 Required information. Instructions are provided below to fill out a sample rocket propellant description sheet with the required information. Paragraphs have been numbered to correspond with the numbers typed on the sample sheet. Rocket propellant description sheet, other than the indicated sample sheet, may be used as long as these sheets contain all required information, and with basically similar format as the sample sheet. A blank sample sheet is included in the appendix. The rocket propellant description sheet shall contain as a minimum the following information:

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SPACE 1. LOT NUMBER. Enter the Army lot number assigned by the contracting officer and the year of manufacture.

SPACE 2. MANUFACTURER'S LOT NUMBER. Give the manufacturer's lot numbers, if used, and the year of manufacture.

SPACE 3. CONTRACT NUMBER. Enter the applicable contract number.

SPACE 4. DATE. Show the contract date.

SPACE 5. SPECIFICATION NUMBER. Give the applicable specification number.

SPACE 6. REVISION. Show the applicable revision date of the specification.

SPACE 7. DRAWING NUMBER. Give the drawing number of the propellant grain.

SPACE 8. REVISION. Show the applicable revision date of the propellant grain drawing.

SPACE 9. WEAPON. Enter the name of the rocket or JATO for which the propellant is intended.

SPACE 10. DESCRIPTION OF PROPELLANT. Show the descriptive name of the propellant, including the type number, composition, or formula designation, etc.

SPACE 11. MANUFACTURED AT. Give the manufacturer's name and plant location as contained in the contract. In the case of a Government-owned works or arsenal, use the Government-owned works or arsenal.

SPACE 12. PACKED WEIGHT. Show the weight in pounds of the lot as packed.

SPACE 13. NITROCELLULOSE. Show the acceptable blend numbers of nitrocellulose used in the lot. Indicate whether the lot is made from cotton linters or wood sulfite cellulose.

SPACE 14. NITROGEN CONTENT
K.I. STARCH TEST
(65.5 DEGREES C)
STABILITY TEST
(135 DEGREES C)

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List the maximum, minimum, and average results of these tests for the nitrocellulose used in the lot.

SPACE 15. SOLVENT METHOD OF MANUFACTURE. List the weight of solvent per pound, the percent of ether, alcohol, or acetone used as solvent, and the temperatures and time (days, hours) required for drying. List the percent of remix and rework to whole.

SPACE 16. SOLVENTLESS MANUFACTURE. Indicate slurry or paste method by crossing out the one that does not apply; show time and temperature of mixing; indicate extrusion ram rate and pressure; show die and basket temperatures; show time and temperature of annealing.

SPACE 17. REMARKS. Enter here information on sources of raw material, changes in process, unusual occurrences during production, and any other information pertinent to the preceding spaces.

SPACE 18. CAST OR COMPOSITE MANUFACTURE. Enter the information indicated, if applicable, under Constituents, Grinding Hours, Equipment, Particle Size, Test Equipment, and time and temperature of mixing. Show time, temperature and pressure (vacuum) of drying; show pressure, temperature and time of forming; show time and temperature of curing. Under REMARKS, show time of solvent evacuation and other pertinent information.

SPACE 19. COMPOSITION. Enter the composition formula and composition as found by acceptance analysis.

SPACE 20. STABILITY AND PHYSICAL TESTS. Show the results of stability tests and physical tests as applicable.

SPACE 21. MEASUREMENTS. Give the results of dimensional measurements, as made in acceptance test.

SPACE 22. VISUAL INSPECTION. Show the results of visual inspection as required.

SPACE 23. DATE PACKED. Give the date of packing.

SPACE 24. DATE OFFERED. Show the date on which the inspector was requested to select samples.

SPACE 25. DATE SAMPLED. Enter the date the samples were taken.

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SPACE 26. DATE TEST FINISHED. Show the date the acceptance tests were completed.

SPACE 27. DATE DESCRIPTION SHEETS FORWARDED. Give the date description sheets are forwarded.

SPACE 28. TYPE OF PACKING BOX. Enter the type of packing box used, including drawing number and applicable revision date.

SPACE 29. "This lot (does) (does not) meet chemical and physical requirement." Indicate compliance or non-compliance by crossing out the inappropriate word or words.

SPACE 30. REMARKS. Enter here such general information as deviations from drawings and specifications, if any, and consequent waivers granted. If applicable, give data showing why lot does not meet chemical and physical requirements.

SPACE 31. SUPERINTENDENT. The representative signing for the contractor should be an official of sufficient authority to exercise control over the contractor's inspection and production groups. His signature should appear over his typed name.

SPACE 32. INSPECTOR OF ORDNANCE. The signature of the Government Quality Assurance Representative or Chief Inspector of the plant, or a person designated to sign for them as chemical requirements are concerned. The signature will appear over the individual's typed name.

SPACE 33. U.S. CHEMIST. When all or a part of the acceptance testing has been performed by a Government chemist, this space will be signed by the Government chemist responsible for the accuracy of laboratory acceptance test results, normally the Chief Chemist. This signature will appear over the typed name of the person signing.

5.3.4 Distribution. Normal distribution of the Propellant Description Sheet will be as follows:

U.S. Army ARDEC Picatinny Arsenal, NJ 07806-5000	
Attn: SMCAR-AEE-B	1 copy
Attn: SMCAR-QAR-R	1 copy
Inspection Office of Agency responsible for inspection	1 copy
Inspection Office of Agency Administering Contract (when different from above)	1 copy
Destination of Propellant	2 copies

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5.3.4.1 Additional copies may be prepared to meet the internal distribution needs of the contracting officer or the contractor.

5.3.4.2 Distribution of such description sheets will be expedited to insure their delivery prior to the arrival of the material.

ROCKET PROPELLANT DESCRIPTION SHEET								
DOA LOT NUMBER 1				MFR LOT NUMBER 2				
CONTRACT NUMBER 3			DATE 4		SPECIFICATION NO. 5		REVISION 6	
DRAWING NUMBER 7			REVISION 8		WEAPON 9			
DESCRIPTION OF PROPELLANT 10								
MANUFACTURED AT 11					PACKED WEIGHT 12			
NITROCELLULOSE 13								
GRADE				TYPE				
ACCEPTED BLEND NUMBERS								
NITROGEN CONTENT 14			K. I. STARCH TEST (65.5°C) 14			STABILITY TEST (135°C) 14		
MAXIMUM		%	MAXIMUM		MINS	MAXIMUM		MINS
MINIMUM		%	MINIMUM		MINS	MINIMUM		MINS
AVERAGE		%	AVERAGE		MINS	AVERAGE		MINS
					MINS	EXPLOSION		MINS
SOLVENT METHOD OF MANUFACTURE 15								
TOTAL WEIGHT OF SOLVENT PER POUND NON-VOLATILE CONSTITUENTS CONSISTING OF _____ POUNDS ALCOHOL AND _____ POUNDS ACETONE/ETHER PER 100 POUNDS SOLVENT. PERCENTAGE OF REMIX _____								
15 REWORK TO WHOLE _____								
TEMPS °C		PROCESS DRYING				TIMES		
FROM	TO					DAYS	HOURS	
SOLVENTLESS MANUFACTURE 16								
16						TIME	TEMPS	
						HOURS	° F	
SLURRY OR PASTE METHOD								
MIXING								
EXTRUSION:								
RAM RATE		IN/SEC		RAM PRESSURE		P. S. I.		
DIE TEMPERATURE								
BASKET TEMPERATURE								
TYPE ANNEALING								
REMARKS								
17								
CAST OR COMPOSITE MANUFACTURE 18								
CONSTITUENTS		GRINDING HOURS		EQUIPMENT	PARTICLE SIZE		TEST EQUIPMENT	MIXING _____
								HOURS ° F
DRYING		HOURS		° F		VACUUM		
FORMING		PRESSURE		° F		TIME		
CURING		HOURS		° F				
REMARKS								

FIGURE 3a. Sample rocket propellant description sheet

TEST OF FINISHED PROPELLANT						
COMPOSITION PERCENT 19				MEASUREMENTS 21		
CONSTITUENT	FORMULA	MFR	INSPR	OUTSIDE DIAMETER	FOUND	SPECIFIED
				MEAN		
				STANDARD DEVIATION		
				MEAN + STD DEV		
				NUMBER STICKS MEASURED		
				LENGTH		
				MEAN		
				NUMBER STICKS MEASURED		
				NO STICKS EXCEEDING INCH		
				GRAIN DIMENSIONS		
				LENGTH		
				DIAMETER		
				DIA OF PERFORATIONS		
				AVERAGE WEB		
				SHEET DIMENSIONS		
				LENGTH		
				WIDTH		
				THICKNESS		
STABILITY AND PHYSICAL TEST 20				RADIOGRAPHICAL OR ULTRASONIC RESULTS		
°C HEAT TEST SP		MFR	INSPR	FOR FISSURES AND FOREIGN MATERIAL		
FUMES				NO INSP	NO DEF	
EXPLOSION				100% VISUAL INSPECTION 22		
GRAIN FORM				STRAIGHTNESS		
DENSITY LB/CU. IN				FISSURES & PINHOLES EXCEEDING		
SALMON PINK				INCH IN DIAMETER		
WEIGHT		FOUND	SPECIFIED	BREAKS IN SURFACE		
STICK CHARGE (GRAM)				REMARKS		
MEAN						
STANDARD DEVIATION						
MEAN + STD DEV						
MEAN - STD DEV						
NUMBER CHARGES WEIGHED						
DATE PACKED 23	DATE OFFERED 24		DATE SAMPLED 25			
DATE TEST FINISHED 26	DATE DESCRIPTION SHEETS FORWARDED 27					
TYPE OF PACKING BOX 28						
THIS LOT DOES/DOES NOT MEET CHEMICAL AND PHYSICAL REQUIREMENTS 29 (EXCEPTIONS IF ANY NOTED UNDER REMARKS)						
REMARKS 30						
TECHNICAL DEPARTMENT 31			ARMY INSPECTOR 32		US CHEMIST 33	

FIGURE 3b. Sample rocket propellant description sheet - continued

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5.4 Rocket propellant acceptance sheet.

5.4.1 Purpose. The rocket propellant acceptance sheet is intended to serve as the authorization for loading the propellant into JATO's rocket propelling charges, grains, or assemblies as indicated.

5.4.2 Preparation. A rocket propellant acceptance sheet will be prepared for each lot of rocket-type propellant manufactured and will indicate acceptance or rejection of the lot. The sheet will be prepared by Picatinny Arsenal for material proof-tested at the arsenal; the Quality Assurance Directorate at ARDEC (SMCAR-QAR-R); or by those installations to which that office has delegated the authority to make final acceptances. Rocket propellant acceptance sheets, when used to report results of inspection and rejection, will have the words "Accepted" or "Acceptance" obliterated and replaced with "Rejected" or "Rejection". Such reports will show clearly the cause for rejection.

5.4.3 Required information. Instructions are provided to fill out a sample rocket propellant acceptance sheet with the required information. Paragraphs have been numbered to correspond with the numbers typed on the sample sheet. Rocket propellant acceptance sheets, other than the indicated sample sheet, may be used as long as these sheets contain all required information, and with basically similar format as the sample sheet. A blank sample sheet is included in the appendix. The rocket propellant acceptance sheet shall contain as a minimum the following information:

SPACE 1. GRAIN. Enter the official nomenclature of the grain.

SPACE 2. PROPELLANT LOT NUMBER. Enter the lot number as shown on the description sheet.

SPACE 3. ROCKET. Indicate the official nomenclature and description of the rocket or JATO unit for which this grain was manufactured.

SPACE 4. DATE. Give the date of acceptance.

SPACE 5. MANUFACTURED BY. Show the name of the manufacturer as stated in the contract or production order.

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SPACE 6. AT. Give the location of the manufacturer's plant or the name of the Government-owned works or arsenal where the lot was produced.

SPACE 7. CONTRACT NUMBER. Enter the contract number.

SPACE 8. ACCEPTED LOT WEIGHT. Show the weight in pounds of the lot as accepted.

SPACE 9. PROOF FIRED AT. Show the name of the proving ground(s) at which the acceptance tests were conducted.

SPACE 10. ROCKET. Show the designation of rocket used in tests.

SPACE 11. ROCKET WEIGHT. Show weight of test rocket.

SPACE 12. FIRING RECORD NUMBER. Enter proving ground firing record number.

SPACE 13. COMPOSITION. Enter the composition designation, such as M7 or N-5.

SPACE 14. SPECIFICATION. Show the number of the specification to which the propellant was manufactured.

SPACE 15. DATED. Enter the date of issue of the specification and/or applicable revision.

SPACE 16. BALLISTIC DATA. Show a summary of the applicable ballistic performance data as required for acceptance.

SPACE 17. SIGNATURE. The signature of the person signing the acceptance report and, thus accepting the material, will appear over his typed name.

SPACE 18. LOADING AUTHORIZATION. List each type of rocket for which the propellant lot is authorized for loading, together with the weight of the rocket, the complete round drawing number, and the date of the applicable revision of such drawings. In case of rejection of a lot, no entry will be made for spaces 18, 19 or 20.

SPACE 19. DATE APPROVED. Enter the date on which loading authorization was made.

SPACE 20. SIGNATURE. The signature of the person signing the loading authorization will appear over his typed name.

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5.4.4 Distribution. Normal distribution of the Propellant Description Sheet will be as follows:

U.S. Army ARDEC	
Picatinny Arsenal, NJ 07806-5000	
Attn: SMCAR-AEE-B	1 copy
Attn: SMCAR-QAR-R	1 copy
Inspection Office of Agency responsible for inspection	1 copy
Inspection Office of Agency Administering Contract (when different from above)	1 copy
Destination of Propellant	2 copies

5.4.4.1 Additional copies may be prepared to meet the internal distribution needs of the contracting officer or the contractor.

5.4.4.2 Distribution of such description sheets will be expedited to insure their delivery prior to the arrival of the material.

ROCKET PROPELLANT ACCEPTANCE SHEET		GRAIN 1	PROPELLANT LOT NUMBER 2		
		ROCKET 3	DATE 4		
MFG BY 5	PROOF FIRED AT 9		PROVING GROUND		
AT 6	ROCKET 10				
CONTRACT NUMBER 7	ROCKET WEIGHT 11				
ACCEPTED LOT WT (LBS) 8	FIRING RECORD NUMBER 12				
DESCRIPTION OF PROPELLANT					
COMPOSITION 13		SPECIFICATION 14 15			
BALLISTIC DATA 16					
TEMPERATURE ° F	CHARGE	VELOCITY FT/SEC	PRESSURE LBS/SQ IN.	THRUST LBS	10% BURN TIME SEC
THIS PROPELLANT LOT IS ACCEPTED					
_____ 17 CHIEF QUALITY ASSURANCE DIVISION					
LOADING AUTHORIZATION 18					
THE PROPELLANT DESCRIBED ABOVE MAY BE USED IN LOADING ANY OF THE ROCKETS OR JATO UNITS LISTED BELOW EXCEPT WHEN QUANTITIES ARE SPECIFICALLY ALLOTTED FOR SOME PARTICULAR PURPOSE. THIS AUTHORIZATION EXPIRES _____ AT WHICH TIME A RE-EVALUATION IS REQUIRED.					
ROCKET	WEIGHT	DRAWING	DATE LAST REVISED		
DATE APPROVED					
_____ 19 20 CHIEF QUALITY ASSURANCE DIVISION					

FIGURE 4. Sample rocket propellant acceptance sheet

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5.5 Description sheet for explosives, chemicals, etc.

5.5.1 Purpose. The description sheet is intended to serve as a record of tests made and results obtained in inspection to establish the acceptability of such chemical materials as bulk explosives or pyrotechnics and chemical raw materials.

5.5.2 Preparation. The responsibility for proper preparation of the description sheet for explosives, chemicals, etc. rests with the inspector. However, since the contractor is required to supply much of the information necessary to complete the form, duplication of effort will be avoided if this information is supplied by the contractor on the forms themselves in sufficient number for distribution, but such action in no way relieves the inspector of his final responsibility for the report, to the correctness of which he must attest by signature.

- a. A description sheet may be prepared to cover more than one lot of bulk chemical materials presented for acceptance under procurement contracts.
- b. A description sheet may cover more than one lot; however, results of tests for only those lots having serial numbers in sequence may be recorded on any one sheet. Results of inspection and tests for accepted lots and rejected lots will not be placed on the same sheet.
- c. Description sheets, when used to report results of inspection and rejection, will have the word "Accepted" or "Acceptance" obliterated and replaced with "Rejected" or "Rejection". Such sheets will show clearly the cause for rejection (i.e., by use of underscores, encircled results, or supplementary remarks).
- d. Normally, results of tests will be reported to the number of decimal places required in test procedure, but never to less than the number of decimal places shown in the specifications or other applicable requirements. The specification limits are to be considered absolute when judging the acceptability of the test item. Rounding of the numerical value of the test results will not be permitted within the number of places shown in the specification. In rounding off the numerical values of test results, the last significant figure (the terminal decimal figure of the expressed requirement) will be increased by one when the discarded figure is five or greater.

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- e. If the status of any lot is changed subsequent to acceptance or rejection, a supplemental report will be made, utilizing a description sheet for explosives, chemicals, etc., with a clear statement of the reason for the change in status.

5.5.3 Required information. Instructions are provided to fill out a sample description sheet for explosives, chemicals, etc. with the required information. Paragraphs have been numbered to correspond with the numbers typed on the sample sheet. Description sheets for explosives, chemicals, etc., other than the indicated sample sheet, may be used as long as these sheets contain all required information, and with basically similar format as the sample sheet. A blank sample sheet is included in the appendix. The description sheet for explosives, chemicals, etc. shall contain as a minimum the following information:

SPACE 1. INSTALLATION. Enter full name of installation (e.g., Radford Army Ammunition Plant) or activity conducting the inspection.

SPACE 2. MANUFACTURER. Show full name of the manufacturer.

SPACE 3. CONTRACT. Show full contract number or purchase order number.

SPACE 4. DATE. Enter the date sheet was completed.

SPACE 5. MATERIAL. Show name of material as set forth in the specification, together with type, class, grade, or other class designation.

SPACE 6. FROM NUMBER. Enter the full lot number, including manufacturer's identification symbol and applicable interfix for the lot, or the first lot number if a series of lots is being reported.

SPACE 7. THRU NUMBER. Show the full lot number of the last lot covered by the report. Leave space blank if only one lot is reported.

SPACE 8. TOTAL NUMBER OF LOTS. Show the number of lots covered by the report.

SPACE 9. TOTAL NET AMOUNT ACCEPTED. Show the total quantity, in pounds (or units stipulated in the contract), accepted by the report.

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SPACE 10. PLACE MANUFACTURED. Show the location or name of manufacturing plant or point where material is actually produced.

SPACE 11. SPECIFICATION AND AMENDMENT: DRAWING NUMBER. Record applicable specification number and amendment, and any drawing numbers, with their revisions.

SPACE 12. This space is provided for reporting the results of tests. Lot numbers, lot quantities, and the results of tests for each requirement will be tabulated for all lots reported on the sheet. It is usually advantageous to list lot number, lot size, and each specification requirement at column headings, and tabulate data for each lot below the heading. In this manner, the results of as many as 20 to 25 lots may be reported, and the material accepted, on one sheet. Immediately below the column heading for the requirement (e.g., acidity, water insoluble matter, etc.), the limit or tolerance for the requirement will be shown.

SPACE 13. REMARKS. Cite reference to any waivers, Engineering Orders, or similar authority, to accept material at variance with specifications. Include comments pertinent to the lot(s) or its inspection and acceptance.

SPACE 14. SAMPLING CONDUCTED BY. The person conducting the sampling will sign in this space above his typed name and title. The title must indicate whether the sampling was performed by a Government inspector, or by some interested party, such as the contractor.

SPACE 15. TESTING CONDUCTED BY. The person responsible for doing the testing will sign in this space over his typed name and title. The title must indicate whether testing was performed by a Government inspector, by a commercial testing laboratory, by another Government testing laboratory, or by some interested party, such as the contractor.

SPACE 16. If any part of the inspection is conducted by the manufacturer, a certificate of the accuracy or validity of results obtained is required. The certificate should be explicit with respect to any limits of the certificate coverage. The certificate should be signed by the plant superintendent or an official designated by him. The signature should be in ink and over his typed name. The original only need be signed.

SPACE 17. DATE. Enter the date of acceptance or rejection.

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SPACE 18. TITLE. Enter the official title of the person making the acceptance or rejection.

SPACE 19. SIGNATURE. The signature of the person signing the report and thus accepting the material, will appear over his typed name on the original copy of the form.

5.5.4 Distribution. Normal distribution of the Propellant Description Sheet will be as follows:

U.S. Army ARDEC Picatinny Arsenal, NJ 07806-5000 Attn: SMCAR-AEE-B	1 copy
Attn: SMCAR-QAR-R	1 copy
Inspection Office of Agency responsible for inspection	1 copy
Inspection Office of Agency Administering Contract (when different from above)	1 copy
Destination of Propellant	2 copies

5.5.4.1 Additional copies may be prepared to meet the internal distribution needs of the contracting officer or the contractor.

5.5.4.2 Distribution of such description sheets will be expedited to insure their delivery prior to the arrival of the material.

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6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. Acceptance and description sheets for propellants and explosives are intended to be used for documentation of propellant and explosive test results, and to certify the Government's acceptance of these test data conforming to specified chemical and physical requirements.

6.2 Consideration of data requirements. The following data requirements should be considered when this standard is applied on a contract. The applicable Data Item Descriptions (DIDs) should be reviewed in conjunction with the specific acquisition to ensure that only essential data are requested/provided and that the DIDs are tailored to reflect the requirements of the specific acquisition. To ensure correct contractual application of the data requirements, a Contract Data Requirements List (DD Form 1423) must be prepared to obtain the data, except where DOD FAR Supplement 27.475-1 exempts the requirement for a DD Form 1423.

<u>Reference Paragraph</u>	<u>DID Number</u>	<u>DID Title</u>	<u>Suggested Tailoring</u>
4. & 5.	(TBD)	Propellant Description Sheet	

The above DIDs were those cleared as of the date of this standard. The current issue of DOD 5010.12-L, Acquisition Management Systems and Data Requirements Control List (AMSDL), must be researched to ensure that only current, cleared DIDs are cited on the DD Form 1423.

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6.3 Subject term (keyword) listing.

Propellant description sheet
Propellant acceptance sheet
Rocket propellant description sheet
Rocket propellant acceptance sheet
Description sheet for explosives, chemicals, etc.
Propellant
Rocket propellant
Explosive
Chemicals

6.4 Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

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APPENDIX

BLANK SAMPLE ACCEPTANCE AND DESCRIPTION SHEETS
FOR PROPELLANTS, EXPLOSIVES AND CHEMICALS

10. SCOPE. This appendix contains one blank sample sheet each for the five acceptance and description sheets for propellants and explosives. This appendix is not a mandatory part of the standard. The information contained herein is intended for guidance only.

20. APPLICABLE DOCUMENTS. This section is not applicable to this appendix.

30. SAMPLE ACCEPTANCE AND DESCRIPTION SHEETS. One blank sample sheet for each of the five acceptance and description sheets for propellants, explosives and chemicals are included below:

- FIGURE A-1 Sample propellant description sheet (blank)
- FIGURE A-2 Sample propellant acceptance sheet (blank)
- FIGURE A-3a Sample rocket propellant description sheet (blank)
- FIGURE A-3b Sample rocket propellant description sheet
(continued), (blank)
- FIGURE A-4 Sample rocket propellant acceptance sheet (blank)
- FIGURE A-5 Description sheet for explosives, chemicals, etc.
(blank)

PROPELLANT ACCEPTANCE SHEET	WEAPON		LOT NUMBER		
	MODEL		ACCEPTANCE DATE		
MFG BY	PROOF FIRED BY		PROVING GROUND		
AT	FIRING RECORD NUMBER				
CONTRACT NUMBER	PROJECTILE		WEIGHT		
WEIGHT OF LOT	PROJECTILE LOT NUMBER				
	TEMPERATURE OF POWDER		° F		
	STANDARD PROPELLANT LOT				
PROPELLANT DESCRIPTION					
TYPE		M			
AVERAGE WEB					
SPECIFICATION		DATED		WITH REVISION DATED	
CHARGE WEIGHTS					
INCREMENT NUMBER	INCREMENT WEIGHT	TOTAL INCREMENT WT.	PROJECTILE WEIGHT	VELOCITY FT/SEC	PRESSURE LBS/SQ IN.
THIS PROPELLANT LOT IS ACCEPTED					
_____ CHIEF QUALITY ASSURANCE DIVISION					
LOADING AUTHORIZATION					
THE PROPELLANT LOT DESCRIBED ABOVE MAY BE USED IN LOADING ANY OF THE AMMUNITION ITEMS LISTED BELOW EXCEPT WHERE QUANTITIES ARE SPECIFICALLY ALLOTTED FOR A PARTICULAR PURPOSE					
WEAPON AND MODEL		COMPLETE ROUND OR PROPELLING CHARGE			
		TYPE	MODEL	PROJECT WT	DATE OF LAST REV
THIS LOADING AUTHORIZATION EXPIRES AFTER _____ AT WHICH TIME REBLENDING OR REASSESSMENT WILL BE CONSIDERED.					
LOADING AUTHORIZATION ISSUED TO					
_____ CHIEF QUALITY ASSURANCE DIVISION					

FIGURE A-2.

ROCKET PROPELLANT DESCRIPTION SHEET						
DOA LOT NUMBER			MFR LOT NUMBER			
CONTRACT NUMBER		DATE	SPECIFICATION NO.		REVISION	
DRAWING NUMBER		REVISION	WEAPON			
DESCRIPTION OF PROPELLANT						
MANUFACTURED AT			PACKED WEIGHT			
NITROCELLULOSE						
GRADE			TYPE			
ACCEPTED BLEND NUMBERS						
NITROGEN CONTENT		K. I. STARCH TEST (65.5°C)		STABILITY TEST (135°C)		
MAXIMUM	%	MAXIMUM	MINS	MAXIMUM	MINS	
MINIMUM	%	MINIMUM	MINS	MINIMUM	MINS	
AVERAGE	%	AVERAGE	MINS	AVERAGE	MINS	
			MINS	EXPLOSION	MINS	
SOLVENT METHOD OF MANUFACTURE						
TOTAL WEIGHT OF SOLVENT PER POUND NON-VOLATILE CONSTITUENTS CONSISTING OF _____ POUNDS ALCOHOL AND _____ POUNDS ACETONE/ETHER PER 100 POUNDS SOLVENT. PERCENTAGE OF REMIX _____						
REWORK TO WHOLE _____						
TEMPS °C		PROCESS DRYING			TIMES	
FROM	TO				DAYS	HOURS
SOLVENTLESS MANUFACTURE						
				TIME	TEMPS	
				HOURS	° F	
SLURRY OR PASTE METHOD						
MIXING						
EXTRUSION:						
RAM RATE	IN/SEC	RAM PRESSURE	P. S. I.			
DIE TEMPERATURE						
BASKET TEMPERATURE						
TYPE ANNEALING						
REMARKS						
CAST OR COMPOSITE MANUFACTURE						
CONSTITUENTS	GRINDING HOURS	EQUIPMENT	PARTICLE SIZE	TEST EQUIPMENT	MIXING _____	
					HOURS ° F	
DRYING	HOURS	° F		VACUUM		
FORMING	PRESSURE	° F		TIME		
CURING	HOURS	° F				
REMARKS						

FIGURE A-3a.

TEST OF FINISHED PROPELLANT						
COMPOSITION PERCENT				MEASUREMENTS		
CONSTITUENT	FORMULA	MFR	INSPR	OUTSIDE DIAMETER	FOUND	SPECIFIED
				MEAN		
				STANDARD DEVIATION		
				MEAN + STD DEV		
				NUMBER STICKS MEASURED		
				LENGTH		
				MEAN		
				NUMBER STICKS MEASURED		
				NO STICKS EXCEEDING INCH		
				GRAIN DIMENSIONS		
				LENGTH		
				DIAMETER		
				DIA OF PERFORATIONS		
				AVERAGE WEB		
				SHEET DIMENSIONS		
				LENGTH		
				WIDTH		
				THICKNESS		
STABILITY AND PHYSICAL TEST				RADIOGRAPHICAL OR ULTRASONIC RESULTS		
°C HEAT TEST SP		MFR	INSPR	FOR FISSURES AND FOREIGN MATERIAL	NO INSP	NO DEF
FUMES				100% VISUAL INSPECTION		
EXPLOSION				STRAIGHTNESS		
GRAIN FORM				FISSURES & PINHOLES EXCEEDING		
DENSITY LB/CU. IN				INCH IN DIAMETER		
SALMON PINK				BREAKS IN SURFACE		
WEIGHT		FOUND	SPECIFIED	REMARKS		
STICK CHARGE (GRAM)						
MEAN						
STANDARD DEVIATION						
MEAN + STD DEV						
MEAN - STD DEV						
NUMBER CHARGES WEIGHED						
DATE PACKED	DATE OFFERED		DATE SAMPLED			
DATE TEST FINISHED	DATE DESCRIPTION SHEETS FORWARDED					
TYPE OF PACKING BOX						
THIS LOT DOES/DOES NOT MEET CHEMICAL AND PHYSICAL REQUIREMENTS (EXCEPTIONS IF ANY NOTED UNDER REMARKS)						
REMARKS						
TECHNICAL DEPARTMENT		ARMY INSPECTOR			US CHEMIST	

FIGURE A-3b.

ROCKET PROPELLANT ACCEPTANCE SHEET		GRAIN		PROPELLANT LOT NUMBER	
		ROCKET		DATE	
MFG BY		PROOF FIRED AT		PROVING GROUND	
AT		ROCKET			
CONTRACT NUMBER		ROCKET WEIGHT			
ACCEPTED LOT WT (LBS)		FIRING RECORD NUMBER			
DESCRIPTION OF PROPELLANT					
COMPOSITION		SPECIFICATION			
BALLISTIC DATA					
TEMPERATURE ° F	CHARGE	VELOCITY FT/SEC	PRESSURE LBS/SQ IN.	THRUST LBS	10% BURN TIME SEC
THIS PROPELLANT LOT IS ACCEPTED					
_____ CHIEF QUALITY ASSURANCE DIVISION					
LOADING AUTHORIZATION					
THE PROPELLANT DESCRIBED ABOVE MAY BE USED IN LOADING ANY OF THE ROCKETS OR JATO UNITS LISTED BELOW EXCEPT WHEN QUANTITIES ARE SPECIFICALLY ALLOTTED FOR SOME PARTICULAR PURPOSE. THIS AUTHORIZATION EXPIRES _____ AT WHICH TIME A RE-EVALUATION IS REQUIRED.					
ROCKET	WEIGHT	DRAWING	DATE LAST REVISED		
DATE APPROVED					
_____ CHIEF QUALITY ASSURANCE DIVISION					

FIGURE A-4.

DESCRIPTION SHEET FOR EXPLOSIVES, CHEMICALS, ETC.	DATE	
	MATERIAL	
	DESCRIPTION OF LOTS	
INSTALLATION	FROM NUMBER	THROUGH NUMBER
	TOTAL NUMBER LOTS	TOTAL NET AMOUNT ACCEPTED
MANUFACTURER	PLACE MANUFACTURED	
CONTRACT	SPECIFICATION AND AMENDMENT - DRAWING NUMBER	
REMARKS		
SAMPLING CONDUCTED BY	CERTIFIED TRUE AND CORRECT	
TESTING CONDUCTED BY		
THE ABOVE MATERIAL COMPLIES WITH ALL SPECIFICATION REQUIREMENTS		
THE ABOVE DESCRIBED LOTS ARE HEREBY ACCEPTED		DATE
DATE	TITLE	SIGNATURE

FIGURE A-5.

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CONCLUDING MATERIAL

Custodian:
Army - AR

Preparing activity:
Army - AR

(Project 1376-A474)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.

2. The submitter of this form must complete blocks 4, 5, 6, and 7.

3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:	1. DOCUMENT NUMBER MIL-STD-1171 (AR)	2. DOCUMENT DATE (YYMMDD) 940429
3. DOCUMENT TITLE ACCEPTANCE AND DESCRIPTION SHEETS FOR PROPELLANTS AND EXPLOSIVES		
4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets if needed.)		
5. REASON FOR RECOMMENDATION		
6. SUBMITTER		
a. NAME (Last, First, Middle Initial)	b. ORGANIZATION	
c. ADDRESS (Include Zip Code)	d. TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON (if applicable)	f. DATE SUBMITTED (YYMMDD)
8. PREPARING ACTIVITY		
a. NAME U.S ARMY ARDEC STANDARDIZATION OFFICE	b. TELEPHONE (Include Area Code) (1) Commercial 201-724-6675 (2) AUTOVON DSN-880-6675	
c. ADDRESS (Include Zip Code) ATTN: SMCAR-BAC-S PICATINNY ARSENAL, NJ 07806-5000	<p style="text-align: center; margin: 0;">IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466 Telephone (703) 768-2340 AUTOVON 288-2340</p>	