

MIL-A-23946 (AS)

AMENDMENT-1

1 September 1966

MILITARY SPECIFICATION

AMMONIUM PERCHLORATE FOR SOLID PROPELLANT GRAINS

This amendment forms a part of Military Specification MIL-A-23946(Wep) dated 19 August 1964, and has been approved by the Naval Air Systems Command, Department of the Navy.

By this amendment basic specification MIL-A-23946(Wep) is changed to read MIL-A-23946(AS).

Page 1, title: Delete "MARK 75 AND MARK 76".

Page 1, paragraph 1.1: Delete and substitute "1.1 This specification establishes the minimum requirements for a special grade ammonium perchlorate for use in solid propellant grains."

Page 1, paragraph 2.1, under "STANDARDS":

Add	"MIL-STD-414	Sampling Procedures and Tables for Inspection by Variables for Percent Defective"
-----	--------------	-----------------------------------------------------------------------------------

"Federal FED-STD-102	Preservation, Packaging, and Packing Levels"
-------------------------	----------------------------------------------

Page 2, paragraph 3.1: Delete second and third sentences.

Page 3, paragraph 4.3: Revise last sentence to read "If manufacture is by batch process, batches may be combined to form a lot provided not more than one lot of each ingredient and no change in formulation or process is used."

Page 3, paragraph 4.5, line 2: Following "performed", delete "in duplicate for" and substitute "to determine". Add "Other test methods may be used if they offer assurance of equal results. If test methods differ from those specified herein, a copy of those methods or references to available sources for the methods shall be furnished the procuring activity."

Page 4, paragraph 4.5.1: Delete and substitute:

"4.5.1 Sampling. Sampling for quality conformance inspections shall be in accordance with Standard MIL-STD-414, Inspection Level IV, or MIL-STD-105 as applicable."

MIL-A-23946 (AS)
AMENDMENT - 1

Page 4, paragraph 4.5.2.1: Revise fourth sentence to read "The reagent is standardized by accurately weighing 0.15 gms of oven-dried (356°F for 3 hours)".

Page 4, paragraph 4.5.2.2: Change "20.00 ± .01" to "20.00 ± .05".

Page 5, paragraph 4.5.2.5: Line 1, following "7H₂O", insert ")". Line 2, delete "50 ml" and substitute "500 ml".

Page 6, paragraph 4.5.3.3:

Delete: $\% \text{NH}_4\text{ClO}_3 = \frac{(aA - bB) 3.545}{W} - \frac{c(100)}{34.93}$

Substitute: $\% \text{NH}_4\text{ClO}_3 = \left[\frac{(aA - bB) 3.545}{W} - C \right] \frac{100}{34.93} \%$

Page 8, paragraph 4.5.3.10 (a), line 2: Following "solution," delete "0.2" and substitute "0.2%".

Page 8, paragraph 4.5.3.10 (b), line 1: Following "Weigh", delete "100 grams" and substitute "10 grams".

Page 9, paragraph 4.5.3.11.2: Delete "20 and 100 (Specification RR-S-366)." and substitute "30, 40, 50, and 70 conforming to Specification RR-S-366.".

Page 10, paragraph 5.1: Delete: "or as specified (See 6.2)." and substitute "as defined in Federal Standard FED-STD-102, or as specified (See 6.2)". Add "The requirements of section 5 apply only to direct purchases by or direct shipments to the Government."

Page 10, paragraph 5.1.1: Change "one eight-unit bag" to "one unit bag"; change "per 50 pounds" to "per eight pounds". Delete last sentence.

Page 10, paragraph 5.2: Delete "or as specified (See 6.2)." and substitute "as defined in Federal Standard FED-STD-102, or as specified (See 6.2)".

Page 11, paragraph 6.1, line 2: Following "propellant" delete "for Rocket Motors Mark 38 and Mark 39." and substitute "grains for rocket motors."

Page 11, paragraph 6.2: Change "shall specify" to "may specify".