

MIL-P-27402B  
 AMENDMENT 1  
 15 JUN 1989

MILITARY SPECIFICATION

PROPELLANT, HYDRAZINE - uns-DIMETHYLHYDRAZINE  
 (50% N<sub>2</sub>H<sub>4</sub> - 50% UDMH)

This amendment forms a part of Military Specification MIL-P-27402B, dated 27 May 1969, and is approved for use by all Departments and Agencies of the Department of Defense.

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4 5.2 1.1, delete and substitute:

"4.5.2.1.1 Gas Chromatographic Column. The column to be used for this analysis is the J&W Scientific fused silica megabore column with a liquid phase of Durabond Wax."

4.5.2.1.2, delete and substitute:

"4.5.2.1.2 Gas Chromatographic Parameters. Suggested experimental parameters for analysis are as follows:

Column dimensions	30m x 0.518 mm
Sample size	1 µl
Carrier gas	Helium
Carrier gas flow rate	8 ml/min
Initial column temperature	60°C (140°F)
Isothermal hold time	4 min
Gradient heating rate	10°C/min (18°F/min)
Final temperature	140°C (284°F)
Final isothermal hold time	2 min

Condition the column with an injection of a 1 µl sample before beginning the analysis. The heating rate and final temperature should be adjusted so that aniline is completely eluted from the column before the end of the analysis. The analyst may vary the temperature, flow rate, column size, and sample size to optimize the procedure "

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4.5.2 2, delete and substitute:

4.5.2.2 Equipment. The following equipment shall apply as test conditions of 4.5.2.

- (a) Gas chromatograph: incorporating a thermal conductivity detector.
- (b) Recorder: potentiometric strip chart, 0-1 millivolt, 1 second F.S. response, with integrator.
- (c) Column: J&W Scientific fuse silica megabore column with a liquid phase of Durabond Wax.
- (d) Hypodermic syringe: 1 microliter, fixed needle.
- (e) Regulator: helium, to fit the cylinder.

Custodians

Army - MI  
Navy - AS  
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Preparing Activity

Air Force - 68

Review Activities

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(Project 9135-0117)