



# HMX Main



## HMX Grade B, MIL-H-45444B

### Chemical Properties

	Min.	Max.
Apparent Density (g/cm <sup>3</sup> )	0.9	n/a
Moisture (%)	n/a	0.05
Free Flow (50g)	n/a	25 sec.
Melting Point (HMX) by capillary method	273° C	n/a
DSC (Decomposition Temp C)	260° C	n/a
Weight Loss (TGA) (%)	n/a	5
HPLC Analysis (HMX %)	99.8	n/a
Cyclohexanone (%) insoluble	n/a	0.3
RDX Content (%)	none	none
Wax Content (%)	0.7	1.3
Graphite (%)	0.3	0.7
Vacuum or ampule thermal stability test (at 300° F, 1g for 100 hours)	n/a	3.0 ml
Acetone insoluble (%)	n/a	0.05
Inorganic insoluble (%)	n/a	0.03
Acidity (as HAC) (%)	n/a	0.03

### Dry Sieve Analysis (% Through)

20 mesh (850 micron)	98	n/a
50 mesh (300 micron)	55	85
100 mesh (150 micron)	10	45
200 mesh (75 micron)	0	4

Packaging: Double bagged, inside black anti-static, outside green bag, both plastic.

Made in the USA

### Petro-Explo, Inc.

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