



a **umicore** company

# Hydrazine Hydrate Solution 55%

Palm International's Hydrazine Hydrate Solution 55% is available in Regular or Nuclear Grade. It is especially produced for use as an oxygen scavenger in Nuclear Power Facilities, blowing agent, polymers, pigments, dyes, refining of precious metals and other industrial applications. It is manufactured to demanding specifications and is subject to stringent quality control standards and testing.

**Available** - 55% concentration in 250 lb / 450 lb drums and 2,000 lb / 2,875 lb poly and stainless steel returnable totes.



55%  
Regular



55%  
Catalyzed  
Regular



55%  
Nuclear



55%  
Catalyzed  
Nuclear  
Low  
Chloride

Test/Test Method	Typical Results	Specification
Appearance Hydrazine Hydrate	Clear Colorless Liquid	
Hydrazine Hydrate	55.2%	54.7 - 56.0%
Hydrazine (N <sub>2</sub> H <sub>4</sub> )	35.3%	> = 35.0%
Water	64.7%	< = 65.0%
Iron	0.2 ppm	< = 3 ppm

Regular Grade 55%

Test/Test Method	Typical Results	Specification
Appearance Hydrazine Hydrate	Clear Colorless Liquid	
Hydrazine Hydrate	55.2%	54.7 - 56.0%
Hydrazine (N <sub>2</sub> H <sub>2</sub> )	35.3%	> 35.0%
Water	64.7%	< 65.0%
Iron	< 0.2 ppm	< = 3.0 ppm
Catalyst Added	Confirmed	
Solubility of HyHy	Miscible With Water	

Catalyzed Regular 55%

Test/Test Method	Typical Results	Specification
Appearance Hydrazine Hydrate	Clear Colorless Liquid	
Hydrazine Hydrate	55.2%	54.7 - 56.0%
Hydrazine (N <sub>2</sub> H <sub>4</sub> )	35.3%	> = 35.0%
Water	65.3%	< = 65.0%
Sodium	< 0.1 ppm	< 1 ppm
Chloride	< 0.1 ppm	< 1 ppm
Iron	< 0.1 ppm	< 1 ppm
Solubility of HyHy	Miscible With Water	

Nuclear Grade 55%

Test/Test Method	Typical Results	Specification
Appearance Hydrazine Hydrate	Clear Colorless Liquid	
Hydrazine Hydrate	55.1%	54.7 - 56.0%
Hydrazine (N <sub>2</sub> H <sub>2</sub> )	35.3%	> = 35.0%
Water	64.7%	< = 65.0%
Sodium	< 0.1 ppm	< 1 ppm
Chloride	< 0.1 ppm	< 1 ppm
Iron	< 0.1 ppm	< 1 ppm
Catalyst Added	Confirmed	
Solubility of HyHy	Miscible With Water	

Catalyzed Nuclear  
Low Chloride 55%

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