



## Certificate of Analysis

### Picric Acid ACS

**Catalog Number:** PA1006  
**Lot Number:** 1004601  
**CAS Number:** 88-89-1  
**Synonym(s):** 2,4,6-Trinitrophenol, 2-Hydroxy-1,3,5-trinitrobenzene  
**Molecular Formula:**  $C_6H_3N_3O_7$   
**Molecular Weight:** 229.11  
**Storage:** 15°C – 30°C  
**Retest Date:** October 4, 2018

Test	Specification	Result
Appearance	Moist yellow powder	Conforms
Assay (Dry Basis)	≥ 99%	99.9%
Melting Point	121°C – 123°C	122°C
pKa	0.4	Conforms
Solubility (1%)	Clear, yellow solution	Conforms
Moisture (KF)	≥ 30%	30%
Insoluble (Toluene)	≤ 0.1%	Nil
Insoluble Material (Resinous matter)	≤ 0.01%	0.001%
Sulfate	≤ 0.1%	0.0%

Approved by:

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Date: October 4, 2016