



## Specification

### Ammonium Nitrate ACS

**Catalog Number:** AN1001  
**CAS Number:** 6484-52-2  
**Molecular Formula:**  $\text{NH}_4\text{NO}_3$   
**Molecular Weight:** 80.04  
**Storage:** 15°C – 30°C  
**Retest Period:** Two years from date of manufacture.

Test	Specification
Appearance	White crystalline powder
Assay	$\geq 95.0\%$
Solubility	Soluble in water
pH (5%)	4.5 – 6.0
Residue after Ignition	$\leq 0.01\%$
Insoluble Matter	$\leq 0.005\%$
Chloride	$\leq 0.0005\%$
Nitrite	To pass test
Phosphate	$\leq 0.0005\%$
Sulfate	$\leq 0.002\%$
Heavy Metals	$\leq 0.0005\%$
Iron	$\leq 0.0002\%$

Approved:

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