

PT. SMART LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS

F/QCL/009 Rev.02

CERTIFICATE OF ANALYSIS

Product Name : Ammonium Nitrate AR

Mol. Formula : NH_4NO_3

Mol. Weight : 80.04 g/mol

Catalog No. : A-2007

Cas No : 6484-52-2



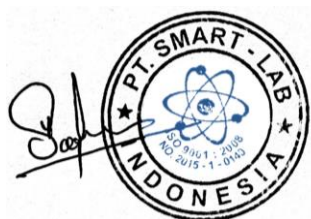
Batch No. : Sample COA

Shelf Life : 60 Months

NO.	TESTS	UNITS	SPECIFICATIONS	RESULTS
1.	Appearance	–	Colorless hygroscopy crystals or crystalline powder	Colorless hygroscopy crystals
2.	Assay (acidimetric, calc, on anhydrous substance)	wt %	min 99.5	99.805
3.	pH (5% Solution) at 25 °C	pH	4.5 – 6.0	5.515
4.	Insoluble matter	wt %	max 0.005	0.00048
5.	Residue after ignition	wt %	max 0.01	0.00018
6.	Chloride (Cl)	wt %	max 0.0005	0.00018
7.	Nitrite (NO_2)	wt %	max 0.0005	0.00035
8.	Sulphate (SO_4)	wt %	max 0.002	0.00087
9.	Phosphate (PO_4)	wt %	max 0.0005	< 0.0005
10.	Heavy metals (as Pb)	wt %	max 0.0005	0.000008
11.	Iron (Fe)	wt %	max 0.0002	0.000039
12.	Calcium (Ca)	wt %	max 0.001	0.0000199

Result: The above product corresponds to AR Grade

Reference or standard of product specification to Analar standard and ACS specification



Yuvraj Sagvekar
Manager QC