

PT. SMART LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS

F/QCL/009 Rev.02

CERTIFICATE OF ANALYSIS

Product Name : Nitric Acid 65% AR

Mol. Formula : HNO₃

Mol. Weight : 63.01 g/mol

Catalog No. : A-1063B

Cas No : 7697-37-2



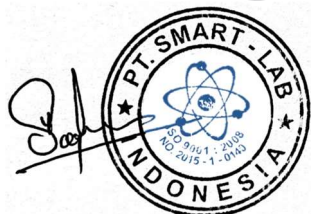
Batch No. : Sample COA

Shelf Life : 36 Months

NO.	TESTS	UNITS	SPECIFICATIONS	RESULTS
1.	Appearance	-	Clear colorless and free from suspended matter or sediment	Passes test
2.	Assay (acidimetric)	wt %	min 65.0	65.381
3.	Wt. Per ml at 20 °C	g/cm ³	1.3866 – 1.4000	1.3881
4.	Non-volatile matter	wt %	max 0.001	0.00075
5.	Chlorine (Cl)	wt %	max 0.00005	< 0.00005
6.	Phosphate and silicate (SiO ₂)	wt %	max 0.00005	< 0.00005
7.	Sulphate (SO ₄)	wt %	max 0.0001	0.000014
8.	Arsenic (As)	wt %	max 0.000001	< 0.000001
9.	Copper (Cu)	wt %	max 0.000002	< 0.000002
10.	Iron (Fe)	wt %	max 0.00002	0.000012
11.	Heavy metals (as Pb)	wt %	max 0.00002	< 0.00002
12.	Manganese (Mn)	wt %	max 0.000001	< 0.000001

Result: The above product corresponds to AR Grade

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



Yuvraj Sagvekar
Manager QC