

# PT. SMART LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS

F/QCL/009 Rev.02

## CERTIFICATE OF ANALYSIS

Product Name : Potassium Carbonate Anhydrous AR

Mol. Formula :  $K_2CO_3$

Mol. Weight : 138.21 g/mol

Catalog No. : A-2036

Cas No : 584-08-7



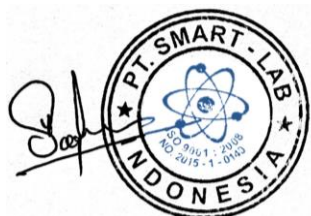
Batch No. : Sample COA

Shelf Life : 60 Months

NO.	TESTS	UNITS	SPECIFICATIONS	RESULTS
1.	Appearance	-	A hygroscopic white granular or powder	A hygroscopic white powder
2.	Assay ( acidimetric )	wt %	min 99.0	99.979
3.	Insoluble matter	wt %	max 0.01	0.0038
4.	Chloride (Cl)	wt %	max 0.003	0.00068
5.	Nitrogen Compounds (as N)	wt %	max 0.001	< 0.001
6.	Phosphate (PO <sub>4</sub> )	wt %	max 0.001	< 0.001
7.	Silica (SiO <sub>2</sub> )	wt %	max 0.005	< 0.005
8.	Sulphur compounds (as SO <sub>4</sub> )	wt %	max 0.004	< 0.004
9.	Ammonium hydroxide precipitate	wt %	max 0.01	< 0.01
10.	Calcium and magnesium precipitate	wt %	max 0.01	< 0.01
11.	Heavy metals (as Pb)	wt %	max 0.0005	0.000062
12.	Iron (Fe)	wt %	max 0.0005	0.000082
13.	Sodium (Na)	wt %	max 0.02	0.0021
14.	Loss on drying (300 °C)	wt %	max 1.0	0.422

Result: The above product corresponds to AR Grade

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



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