

# ASES CHEMICAL WORKS

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## CERTIFICATE OF ANALYSIS

1. Name of the Product Calcium Carbonate
2. CAS Number 471-34-1
3. Formula  $\text{CaCO}_3$
4. Mol. Weight 100.09
5. Batch No & Mfg. Date As mentioned on Label
6. Date Of Exp 3 Years From MFG Date
7. Date of Analysis Oct - 2024

SrNo	Chemical Analysis :	VICAL-D
1	Colour	White
2	Solution in Hydrochloric Acid (5 N)	Clear
3	Soluble Alkali (as Na <sub>2</sub> O)	0.20% max.
4	pH	9.5 -10.0
5	Iron as Fe	0.02% max.
6	Manganese as Mn	Traces
7	Phosphate as PO <sub>4</sub>	Traces
8	Sulphate as SO <sub>4</sub>	Traces
9	Lead as Pb	Traces
10	Copper as Cu	Negligible
11	Arsenic as As	NIL
12	Chlorides as Cl	Traces
13	Magnesia as MgO	0.5% max.
14	SILICA as SiO <sub>2</sub>	0.2% max.
15	Aluminium, Iron, Phosphates and matter Insoluble in Hydrochloric Acid	0.5% max.
16	Calcium Carbonate	98.5%min
17	Specific Gravity	2.60-2.90
18	Loss on Drying at 105° C ± 5°	0.5% max.
<b>Physical Analysis</b>		
1	Bulk Density (gm/ml)	0.50-0.60
2	Flow Point (ml/15 gms)	18.0-22.0
3	Average Particle size (Micron)	4.0-6.0
4	Surface Area by Nitrogen Absorption (m <sup>2</sup> /gm)	7.0-9.0
5	Specific Surface Diameter From surface area Micron)	0.28
6	Settled Bulk (ml/gm)	2.5
7	D.O.P Absorption (gm/100 gms)	50-60
8	Crystal Structure	Aragonite
9	Fineness Residue on 75 Micron IS Sieve (200 mesh) % by weight (IS 918-1968)	0.1