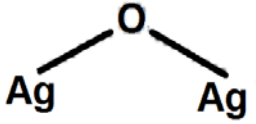


SILVER OXIDE

I. Specifications & Characteristics:-

1. Chemical Structure	
2. IUPAC name	Silver(I) Oxide,
3. CAS Number	20667-12-3
4. Chemical formula	Ag ₂ O
5. Molar Mass	231.74 g·mol ⁻¹
6. Silver Content	93.1%
7. Appearance	Black / Brown
8. Odour	Odourless
9. Form	Cubic Crystals / Grains



II. Typical Analysis:-

Type of Test	AR Grade		LR Grade	
	Specifications	Observed	Specifications	Observed
Assay (%)	99.5	99.52	97	98.8
Solubility	Soluble in Dilute Nitric Acid	Soluble	Soluble in Dilute Nitric Acid	Soluble
Nitrates (NO ₃)	0.01(wt.%)	< 0.01	0.05(wt.%)	0.013
Chloride (Cl)	0.005(wt.%)	< 0.002	-	-
Sulphate(SO ₄)	0.005(wt.%)	0.0039	-	-
Alkali & other metals	0.005(wt.%)	0.001	-	-
Bismuth(Bi)+Lead (Pb)	0.005(wt.%)	0.0023	-	-
Copper (Cu)	0.005(wt.%)	0.0011	-	-
Iron (Fe)	0.005(wt.%)	0.0015	-	-
Alkalinity (Na ₂ O)	0.06(wt.%)	0.033	0.06(wt.%)	0.012
Moisture	NA	0.13%	NA	0.15%

III. Grade / Denominations / Pack Size:-

Grade	Purity	Denomination/Pack Size
Laboratory Grade (LR)	> 97.00 %	500 gms, 1000 gms, 5000 gms, 10000 gms
Analytical Grade (AR)	> 99.50 %	500 gms, 1000 gms, 5000 gms, 10000 gms

IV. Packaging: -

Black Pouches



Bottles



V. Applications: -

- 1) Silver Oxide Batteries
- 2) Oxidizing Agent

MODISON

THE SILVER PEOPLE

Modison Metals Limited

33 Nariman Bhavan, 227 Nariman Point, Mumbai, Maharashtra – 400021, India

Tel No.:+91-22-22026437 * Fax: +91-22-22048009 * Email: pgm@modison.com * Web: www.modison.com