

Ga₂O₃



Grade: 4N/5N/4.5N spherical

Properties: Gallium oxide, an odorless white powder, slightly soluble in hot acids and bases, insoluble in water, chemically stable.

Uses: It can be used as high purity analytical reagent, prepared electronic semiconductor materials.

· Identifier

Chemical Formula	Ga ₂ O ₃
CAS No.	12024-21-4
EINECS No.	234-691-7

· Physical and chemical properties

Molecular weight	187.44 g/mol	Flash point	/	Reactivity	Has high stability
Appearance	white crystal particles	Melting point	1740 °C	Solubility	insoluble in water, slightly soluble in hot acid and alkalis
Density	5.88 g/cm ³	Boiling point	/	Storage	Shady and cool, well-ventilated

· Metal impurities

Impurities	4N/ppm	5N/ppm	Impurities	4N/ppm	5N/ppm
Na	≤5	≤1.5	Co	≤3	≤0.5
Ca	≤5	≤1	Ni	≤3	≤0.5
Cr	≤3	≤1	Cu	≤5	≤1
Mn	≤3	≤0.5	In	≤5	≤1
Fe	≤10	≤1.5	Zn	≤10	≤1.5

· Metal impurities

Impurities	Unit	4.5N spherical	Impurities	Unit	4.5N spherical
Ag	ppm	≤5	Mg	ppm	≤5
Al	ppm	≤5	Mn	ppm	≤5
Bi	ppm	≤5	Na	ppm	≤5
Ca	ppm	≤5	Ni	ppm	≤5
Cd	ppm	≤5	Pb	ppm	≤5
Cu	ppm	≤5	Si	ppm	≤5
Cr	ppm	≤5	Sn	ppm	≤5
Fe	ppm	≤5	W	ppm	≤5
In	ppm	≤5	Zn	ppm	≤5
Sb	ppm	≤5	Zr	ppm	≤5
As	ppm	≤5	Co	ppm	≤5
Ti	ppm	≤5	K	ppm	≤5
/	/	/	Tl	ppm	≤5

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