



High Purity Elements & Compounds

□ Gallium

Gallium is grey color metal. High purity gallium of 99.999% , 99.9999% and 99.99999% (5N 6N 7N) is primarily used in the manufacturing of III-V compound semiconductors such as GaAs, GaP, GaSb, blue GaN, microwave circuit, high purity alloys, thermal carrier in atomic reactor and as molecular beam epitaxy (MBE) source, and the dopant of germanium and silicon single crystal etc.



Gallium	Ga
Atomic No.	31
Atomic Weight	67.2
Density	5.907g/cc
Melting Point	29.78° C
Boiling Point	2403° C
CAS No.	7440-55-3
H.S Code	8112.9290.99

No.	Item	Standard Specification			
1	Gallium ≥%	99.999	99.9999	99.99999	
2	Impurity PPM _{wt} Max Each	Zn	0.4	0.1	0.001
		Cu	1.5	0.05	0.005
		Ca	0.5	-	0.005
		Al	0.5	0.05	0.001
		Mg	0.6	0.1	0.005
		Ni	0.5	0.05	0.001
		Pb	1.8	0.1	0.005
		Sn	0.8	0.1	0.005
		Fe	0.8	0.1	0.01
		In	0.5	-	0.001
		Si	1.0	0.2	0.05
		Mn	0.6	0.05	0.003
Cr	-	0.05	-		
Hg	1.0	-	-		
3	Size	In the shape of container, 100g, 500g or 1000g per bottle			
4	Packing	In plastic bottle with plastic bag outside, or in composite aluminum bag with blue ice outside to prevent from heating.			

□ Gallium Oxide

Gallium Oxide or (Gallium Trioxide) Ga₂O₃, with purity of 99.99% and 99.999% , white crystalline powder, CAS 12024-21-4 HS Code 2846.9090, melting point 1740°C.



No.	Item	Standard Specification	
1	Gallium Oxide	Impurity PPM _{wt} Max each	Size
2	4N ≥ 99.99%	CO/Pb/Sn/Cd/Al/Sn 0.5, Cu 0.8, Ca 3.2, Fe 1.0, Mn 0.4	-80 mesh
	5N ≥ 99.999%	Co/Pb/Sn/Al/Cd 0.5, Cu/Ca/Fe 1.0	-80 mesh
	6N ≥ 99.9999%	Co/Mn/Cd 0.05, Cu/Al/Pb/Sn/Fe 0.1, Ca 0.2	50-100mesh
3	Packing	1kg in polyethylene bottle, then carton box outside.	

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