

July 2003

Technical Data Sheet for GALLIUM NITRATE soln.

Nomenclature: Gallium(III)Nitrate, in aqueous solution.

Formula: $Ga(NO_3)_3$ M.W. 255.7

CAS Number: 13494-90-1 {hydrated form}

Description: $Ga(NO_3)_3$ dissolved in de-ionized H_2O

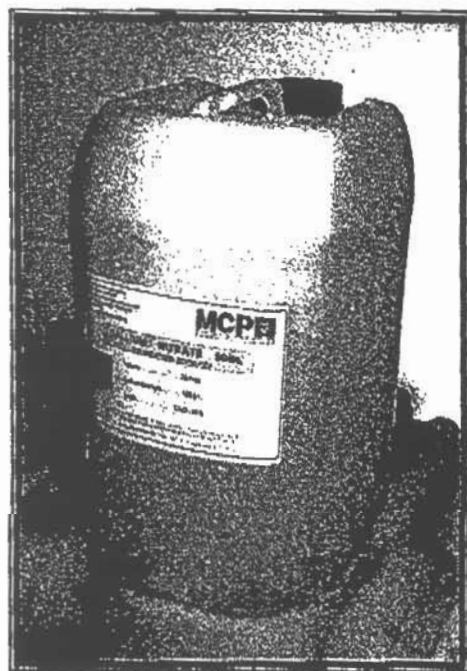
Appearance Clear colourless solution

Gallium Strength Typically 50-200g/l as Ga

Chemical Data

Typical impurities

Cu	<0.5ppm
Ca	5ppm
In	1ppm
Fe	<5ppm
Mg	8ppm
Na	<8ppm
Si	<25ppm
Zn	<1ppm



*Gallium Nitrate in aqueous solution
packed in a 25 litre polythene container*

% metal in compound w/w
as gallium $\equiv 27.26\%$

Liquid Density

Ga nitrate soln at 100g/l Ga $\equiv 1.31gcm^{-3}$

Physical properties

Gallium nitrate decomposes on heating

pH < 1

Packaging/Containers

Glass/Polythene containers