

Product Data Sheet

(5N) 99.999% Yttrium Aluminum Garnet (YAG)

Product Code: YAG-05-C

Formula: $Y_3Al_5O_{12}$

CAS No.: 12005-21-9

EC No.: 234-465-8

MDL: MFCD00213958

Chemical Identifiers

Linear Formula	$Y_3Al_5O_{12}$
MDL Number	MFCD00213958
EC No.	234-465-8
Beilstein Registry No.	N/A
Pubchem CID	16217673
IUPAC Name	oxo(oxoalumanyloxy)alumane; oxo(oxoalumanyloxy)yttrium; oxo(oxoyttriooxy)yttrium
SMILES	<chem>O=[Y]O[Al]=O.O=[Y]O[Y]=O.O=[Al]O[Al]=O.O=[Al]O[Al]=O</chem>
Inchl Identifier	InChI=1S/5Al.12O.3Y
Inchl Key	ITMSSWCUCPDVED-UHFFFAOYSA-N

Total Metal Impurities: 0.001% max.

Packaging Specifications

Typical bulk packaging includes palletized plastic 5 gallon/25 kg. pails, fiber and steel drums to 1 ton super sacks in full container (FCL) or truck load (T/L) quantities. Research and sample quantities and hygroscopic, oxidizing or other air sensitive materials may be packaged under argon or vacuum. Shipping documentation includes a Certificate of Analysis and Safety Data Sheet (SDS). Solutions are packaged in polypropylene, plastic or glass jars up to palletized 440 gallon liquid totes, and 36,000 lb. tanker trucks.

Documentation

A Certificate of Analysis and Materials Safety Data Sheet (SDS) in accordance with EN 10204 are supplied with every shipment.