

# Product Data Sheet

## (4N) 99.99% Yttrium Aluminum Perovskite doped with Thulium (Tm:YAP)

Product Code: TM-YAP-04-C

Formula: Tm:YAlO<sub>3</sub>  
CAS No.: 12003-86-0  
EC No.: 234-443-8  
MDL: N/A

### Chemical Identifiers

Linear Formula	Tm:YAlO <sub>3</sub>
MDL Number	N/A
EC No.	234-443-8
Pubchem CID	165936
IUPAC Name	aluminum; oxygen(2-); yttrium(3+)
SMILES	[O-2].[O-2].[O-2].[Al+3].[Y+3]
InChI Identifier	InChI=1S/Al.3O.Y/q+3;3*-2;+3
InChI Key	JNDMLEXHDPKVFC-UHFFFAOYSA-N

Total Metal Impurities: 0.01% 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.