

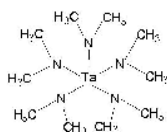


Specification

CAS No: 19824-59-0

Code Nr.: EO00718

Chemical Name: Pentakis(dimethylamino)tantalum(V)

Structure:Molecular Formula: $C_{10}H_{30}N_5Ta$

Molecular Weight: 401,33

Product Properties:

Appearance: orange to dark orange powder and/ or chunks
Purity: 99% (by gravimetric assay)
NMR H1: conforms to structure
Gravimetric assay: 44,7 – 45,6 % Ta (after ignition to oxide)

Impurity weight %

Al:	< 0,002
Fe:	< 0,001
Co:	< 0,002
Si:	< 0,004
Mn:	< 0,002
Mo:	< 0,002
Ni:	< 0,005
Ti:	< 0,002
Cr:	< 0,004
Nb:	< 0,02
W:	< 0,0018
Ca:	< 0,003
Sn:	< 0,003

Storage: sensitive to moisture