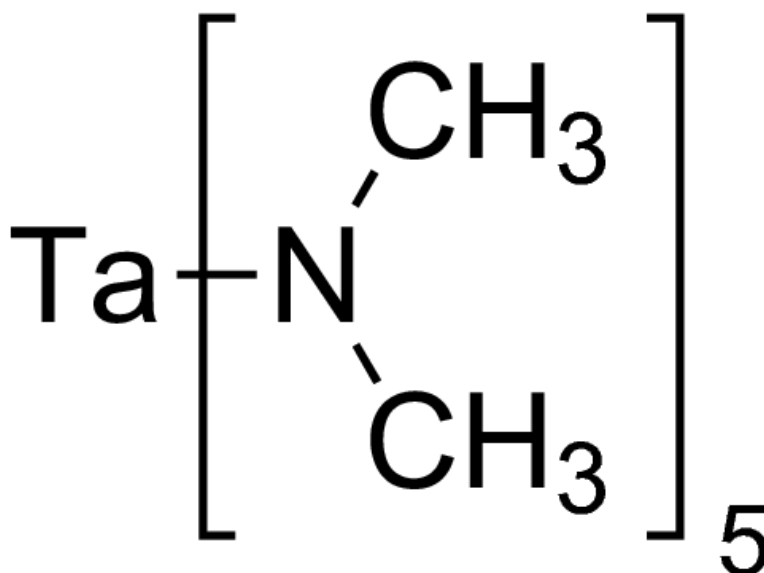


# PRODUCT SPECIFICATION

## PRODUCT SPECIFICATION

<b>Product Code</b>	<b>TA4590</b>
Product Name	Pentakis(dimethylamino)tantalum(V)
CAS Number	19824-59-0
Molecular formula	C <sub>10</sub> H <sub>30</sub> N <sub>5</sub> Ta
Linear formula	Ta(N(CH <sub>3</sub> ) <sub>2</sub> ) <sub>5</sub>
Molecular weight	401.33
Form	solid
Melting point	100C
Boiling point	150C
Sensitivity	air, moisture



## TEST SPECIFICATION

<b>Assay (purity)</b>	<b>99%</b>
Purity method	by gravimetric assay
Metal purity	99.99%-Ta
Appearance	light yellow to orange powder and/or chunks
Gravimetric assay	%Ta=44.8-45.6
Gravimetric assay notes	after oxygen combustion

For available packaging options or alternative purity grades, please contact our technical services.