

TIQ-F-QC-003
Rev.00**Technical Data Sheet****SELENIUM (METAL) POWDER AR****Se**

Product Code	O-5281	Grade	Analytical Reagent
Purity	99.5 %	CAS No	7782-49-2
Molecular Formula	Se	Molecular Weight	78.96 g/mol
H.S.Code	2804.9000	Shelf Life	60 Months

Physical Properties

Physical state	Powder	Melting point	217 °C
Colour	light grey	Density	4,81 g/cm ³ at 25 °C
Vapor pressure	> 0,001 hPa at 20 °C	Solubility in water	0,1 g/l at 20,9 °C
Boiling point	684,9 °C	Autoignition temperature	220 - 250 °C at 1.013,25 hPa

Packaging

100 gram

Specification

Appearance	Very dark red to grey to black powder
Assay (Iodometric)	min 99.5 %
Solubility	2% solution in dilute nitric acid is clear and almost colourless
Loss on drying at 110 °C	max 0.05 %
Acid insoluble matter	max 0.01 %
Non volatile matter	max 0.05 %
Nitrogen compounds (N)	max 0.01 %
Iron (Fe)	max 0.006 %
Sulphur (S)	max 0.015 %

Safety Information and Hazard Symbols

Symbol: GHS06, GHS08

Signal Word: Danger

UN No.: 3288

IMCO Class No.: 6.1

Packing Group: III

Hazardous Statement: H301+H331-H373-H413

Precaution Statement: P260-P264-P273-P301+P310-P304+P340+P311-P314

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