

Product Specification

Matrix Modifier, 0.5% Pd (5,000 ppm Pd)

Lot Number: SAMPLE

Product Number: MMPD5KN

Manufacture Date: N/A

Expiration Date: N/A

Palladium concentration is certified traceable to NIST Standard Reference Material 3138. Nickel is a common contaminant of Palladium and may be present with other trace metals, which total 50 ppb or less. These very low levels will not interfere with the performance of this Matrix Modifier.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Palladium	7440-05-3	High Purity
Hydrochloric Acid	7647-01-0	Trace Metals

Test	Specification	Result	NIST SRM#
Appearance	Brown liquid	N/A	
Palladium (Pd)	4950-5050 ppm	N/A	3138

Specification	Reference
Matrix Mod, 0.5% Pd in HNO ₃	EPA (200.9)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
MMPD5KN-100	100 mL natural LDPE	24 months
MMPD5KN-50	50 mL natural poly	24 months
MMPD5KN-500	500 mL natural poly	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

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