



Product Specification

Chemical Name: Ruthenium(III) nitrosyl nitrate solution

CMI Product Code: 8037-S

CAS Number: 34513-98-9

Formula: Ru(NO)(NO₃)₃ in Nitric Acid

Formula Weight: 915.73 g/mol

Theoretical % Ru: 1.5 – 15%

PARAMETER

SPECIFICATION

Ru Assay

1.5 – 15%

Chemical Purity

> 97%

Chlorides

< 300 ppm (solution basis)

Trace Impurities (metal basis)

Element	Spec.
Ag	< 300 ppm
Al	< 300 ppm
As	< 300 ppm
Au	< 300 ppm
B	< 300 ppm
Bi	< 300 ppm
Ca	< 300 ppm
Cd	< 300 ppm
Co	< 300 ppm
Cr	< 300 ppm

Element	Spec.
Cu	< 300 ppm
Fe	< 300 ppm
Ir	< 300 ppm
K	< 500 ppm
Mg	< 300 ppm
Mn	< 300 ppm
Mo	< 300 ppm
Na	< 500 ppm
Ni	< 300 ppm
Pb	< 300 ppm

Element	Spec.
Pd	< 300 ppm
Pt	< 300 ppm
Re	< 300 ppm
Rh	< 300 ppm
Sb	< 300 ppm
Si	< 300 ppm
Sn	< 300 ppm
Ti	< 300 ppm
Zn	< 300 ppm
Zr	< 300 ppm

Total metals except Na & K <1000

Appearance

Red-Brown Solution

Storage

Keep material in a tightly sealed container in a cool dry place.

Reviewing Chemist: Tyler Bazzoli, Lead Chemist: TB

Specification Approval: Dr. Ernest Addo, Ph.D., Director of Quality & Analytical Testing: EA

Specification Revision Date: October 10th, 2014

Revision Level: 0

Colonial Metals warrants, that at the time of product release this product conformed to the information contained on this specification sheet. Purchaser must determine the suitability of the product for its particular use.

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Date	Revision #	Change/Review	Revised by
10/10/14	0	Original Release	S. Cahoone