

PALM



a umicore company

Nickel Nitrate Solution

Palm International's Nickel Nitrate Solution is specially produced for use in petrochemical, catalyst, surface finishing, anodizing, battery and other industrial markets. This highly concentrated nickel solution is manufactured from carefully selected raw materials. The NNS is subjected to stringent quality control standards and testing.

Store and handle as an acid solution in a cool ventilated area away from foodstuffs. Keep containers tightly closed.



Concentration

1.78 Lbs of nickel per gallon of solution

Appearance

Green Clear Liquid

Contaminants

Measured in ppm

Analysis:

Parameters

Specification

Nickel	13.9 - 14.0 %
Ammonia	< 200 ppm
Calcium	< 70 ppm
Chloride	< 50 ppm
Cobalt	< 250 ppm
Chromium	< 10 ppm
Copper	< 2 ppm
Iron	< 6 ppm
Lead	< 3 ppm
Magnesium	< 70 ppm
Manganese	< 50 ppm
Sodium	< 200 ppm
Sulfate	< 100 ppm
Zinc	< 20 ppm
Insolubles	< 100 ppm
Specific Gravity	1.50 - 1.55 SG
pH	1.5 - 3.5

Shelf Life

If stored at a temperature above 50°F in its original container, this solution has an indefinite shelf life.

Packaging

650 lb Poly Drum

Storage / Safety

Store and handle as an acidic solution.