

National Formulary Sugar/European Protocol

United Sugars offers many of our granulated sugars in a "National Formulary" grade. Each lot is certified to be in accordance with National Formulary monograph requirements for sucrose.

Products

National Formulary Sugar and National Formulary European Protocol Sugar are available in 50 pound bags and supersacks. Product material codes 814851 and 811920.

General Requirements

This food grade product is manufactured in accordance with Current Good Manufacturing Practices and complies with the Federal Food Drug and Cosmetic Act and all other FDA regulations as well as any applicable state statutes and regulations. It also complies with the specifications in the current USP/NF monograph.

Analysis

In addition to our standard specifications for each product, National Formulary Sugars will meet the following additional analysis:

Typical Analysis

Odor	Free from foreign odors
Smoothness	Free from hard lumps
Color	White
Solution	Practically clear (10% solution)
Specific Rotation	Between 65.9 and 67.0 degrees on a dry basis
Residue on Ignition (Ash)	NMT** 0.05%
Chloride	2.0 grams show no more chloride than 0.10 ml of 0.020N hydrochloric acid (0.0035% of Cl) [NF test procedure.]
Sulfate	5.0 grams show no more sulfate than 0.30 ml of 0.020N sulfuric acid (0.006% SO ₄) [NF test procedure]
Calcium	Clear solution [NF calcium test]
Invert Sugar	Weight of cuprous oxide does not exceed 112 mg by NF test procedure.
Moisture	NMT** 0.035%
Sediment	NMT** 2 ppm visual
Visual Speck Count	NMT** 2 per 500 grams
SO ₂	NMT** 10 ppm
Heavy Metals	NMT** 5 ppm (0.0005%)
Granulation	Meets Fine Granulated Sugar granulation requirements.

Microbiological Standards

- No pathogenic microorganisms. Meets National Soft Drink standards.

** NMT - No more than.

This product information sheet is correct to the best of our knowledge. However, the information, recommendations and suggestions are made without representation or guarantee as to results because the conditions of use of the product are beyond our control and accordingly are furnished only for your consideration, investigation and verification by your own laboratory prior to use. No statement is to be construed as a waiver of any copyright or patent right.

Revised April, 2015.

