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TECHNICAL DATA SHEET

Product: N-Acetylneuraminic Acid (Sialic Acid, SA)

1. Product Description

N-Acetylneuraminic Acid (Sialic Acid, SA), commonly known as "Edible Bird's Nest Acid", is a natural functional monosaccharide widely used in infant nutrition, dietary supplements and functional foods for brain development and immune support.

2. Specifications

Test Item	Specification
Assay (HPLC)	≥ 98.0%
Appearance	White crystalline powder
Odor & Taste	Characteristic
Identification	Positive
Loss on Drying	≤ 1.0%
Ash	≤ 0.5%
Heavy Metals	≤ 10 ppm
Lead (Pb)	≤ 1 ppm
Arsenic (As)	≤ 1 ppm
Total Plate Count	≤ 1,000 CFU/g
Yeast & Mold	≤ 100 CFU/g
E. coli	Negative
Salmonella	Negative

3. Applications

Sialic Acid is applied across nutrition and functional food sectors:

- **Infant Nutrition —** functional ingredient in infant formula supporting brain development.
- **Dietary Supplements —** supports cognition, memory and immune function in adults.
- **Functional Food & Beverage —** added to functional drinks, yogurt and nutritional bars.

4. Advantages

- **High Purity —** HPLC assay ≥ 98% with tight impurity control.
- **Food Grade —** suitable for infant formula and dietary supplement applications.
- **Natural & Clean-Label —** matches clean-label and functional nutrition trends.
- **Reliable Quality —** strict quality control with full COA per batch.

5. Packaging

Packaging:

- 500 g / Aluminum Foil Bag
- 1 kg / Aluminum Foil Bag
- 25 kg / Fiber Drum with Inner Double PE Bags

6. Storage Conditions

Store in a tightly sealed original package in a cool, dry and well-ventilated place. Protect from moisture and excessive heat.

7. Shelf Life

Typically 24 months when stored under recommended conditions in unopened original packaging. Please refer to the actual product label and COA for confirmation.

The information provided in this Technical Data Sheet is based on our knowledge and experience and is believed to be accurate. It is given in good faith for your reference only and does not constitute a warranty or specification. Buyers should carry out their own tests to determine the suitability of the product for their particular purpose.