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## Specification Sheet

### NIACINAMIDE USP POWDER (Vitamin B3)

| Code No. | SCN No. | CAS No. | Effective Date    | Product Manager | Rev. No. | Approved By |
|----------|---------|---------|-------------------|-----------------|----------|-------------|
| NIAJIP   | 2230    | 98-92-0 | February 16, 2012 | LR              | No. 4    | CDS         |

|                         |  |  |  |         |  |  |
|-------------------------|--|--|--|---------|--|--|
| <b>CHARACTERISTICS:</b> | White crystalline powder with bitter taste. One gram soluble in ~one ml water, ~1.5 ml alcohol, and ~ 10 mls glycerol. Also known as 3-pyridinecarboxamide, nicotinamide, nicotinic acid amide, or vitamin B3. |  |  |         |  |  |
|                         | Particle size  |  |  |         |  |  |
|                         | Thru 20 mesh   |  |  | 98% min |  |  |
|                         | Thru 140 mesh  |  |  | 10% max |  |  |

|                           |  |
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| <b>MOLECULAR FORMULA:</b> | C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O |
|---------------------------|--|

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| <b>MOLECULAR WEIGHT:</b> | 122.12 |
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|                        |                                 |              |
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| <b>SPECIFICATIONS:</b> | Assay (dried basis)             | 98.5-101.5%  |
|                        | Identification                  |              |
|                        | A                               | To pass test |
|                        | B                               | To pass test |
|                        | Melting range                   | 128-131°C    |
|                        | Loss on drying                  | 0.5% max     |
|                        | Residue on ignition             | 0.1% max     |
|                        | Heavy metals                    | 0.003% max   |
|                        | Readily carbonizable substances | To pass test |
| Residual solvents/OVI  | Meets requirements              |              |

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| <b>SHELF LIFE AND STORAGE INSTRUCTIONS:</b> | Shelf life is 5 years from date of manufacture. Keep container tightly closed in a cool, dry, ventilated area away from heat, direct sunlight, moisture and incompatibilities. Protect container from any physical damage. |
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| <b>STOCKING POINT:</b> | S. Kearny, NJ |
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|                   |  |
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| <b>PACKAGING:</b> | 20 kg carton; 25 cartons per pallet (500 kg) |
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| <b>APPLICATIONS:</b> | Food fortification and nutritional supplement. |
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| <b>OTHER:</b> | Star-K Kosher Certified: Halal. |
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