



青 岛 润 昌 化 工 有 限 公 司  
QINGDAO SAMIN CHEMICAL CO.,LTD.

## SPECIFICATION

|                       |                         |
|-----------------------|-------------------------|
| Product Name          | Inositol Hexanicotinate |
| CAS No                | 6556-11-2               |
| Molecular Formular    | $C_{42}H_{30}N_6O_{12}$ |
| Specification Version | BP2015                  |
| Shelf Life            | 36months                |
| Package               | 25kg/drum               |

| ITEM                | SPECIFICATION                |            |
|---------------------|------------------------------|------------|
| Appearance          | White or almost white powder |            |
| Identification      | A B C comply                 |            |
| Assay               | 98.0-101.0%                  |            |
| Loss on drying      | $\leq 0.5\%$                 |            |
| Bulk density        | 0.45-0.55g/ml                |            |
| Tapped density      | 0.70-0.80g/ml                |            |
| Mesh number         | 100% through US 60mesh       |            |
| Residue on ignition | $\leq 0.1\%$                 |            |
| Free nicotinic acid | $\leq 0.8ml$                 |            |
| Related substance   | Sum $\leq 1.5\%$             |            |
|                     | Single $\leq 0.75\%$         |            |
| Residual Solvents   | Pyridine                     | Max 0.02%  |
|                     | DMF                          | Max 0.088% |
|                     | Ethanol                      | Max 0.5%   |
|                     | Dichloromethane              | Max 0.05%  |
| Chloride            | $\leq 0.035\%$               |            |
| Heavy metals        | $\leq 0.001\%$               |            |
| Lead                | $\leq 3ppm$                  |            |
| Mercury             | $\leq 0.1ppm$                |            |
| Arsenic             | $\leq 1ppm$                  |            |
| Cadmium             | $\leq 1ppm$                  |            |
| Nacin content       | $\geq 78\%$                  |            |
| Inositol content    | $\geq 21\%$                  |            |

### Microbiology Control

|                        |                  |
|------------------------|------------------|
| Total Aerobic Bacteria | $\leq 1000cfu/g$ |
| Yeasts & Molds         | $\leq 100cfu/g$  |
| E. coli                | Negative         |
| Salmonella             | Negative         |
| Staphylococcus aureus  | Negative         |

**Storage:** Store in cool and dry place, in a well-close container, keep away from strong light and heat.

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