

Nagase America Corporation

Specifications

TREHALOSE 100

DefinitionNon-reducing disaccharide; dihydrateINCI NameTrehaloseStorageStore in a cool, dark and dry place.Expiry dateThree (3) years from the production datePackageKraft paper bag (Net 20kg) or
Carton box (Net 12kg; 2kg x 6 PE bags)

Variables	Specifications
Description	Whitish crystalline powder and odorless
Identification	Purple color develops at interface between two solutions
Optical rotation	[α] ²⁰ _D : +197 - +201°
рН	4.5 - 6.5
Chloride	Not more than 0.0125%
Sulfate	Not more than 0.0200%
Nitrogen	Not more than 0.005%
Heavy metals (as Pb)	Not more than 5 ppm
Arsenic (as As ₂ O ₃)	Not more than 2 ppm
Water	9.0% - 11.0%
Residue on ignition	Not more than 0.1%
Assay, % Trehalose (on the anhydrous basis)	Not less than 99.0%
Total aerobic microbial count	Not more than 100 CFU/g

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