MARINE SCIENCE CO.,

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REFINED GUAR GUM-HV MS-070313-01

QUALITY SPECIFICATION

Product	Refined Guar Gum-HV	
Manufacturer	MSC CO.,LTD. (KOREA)	
Importer	MARINE SCIENCE CO.,LTD.	
Summary		

A gum obtained from the ground endosperms of *Cymopsis tetragonolobus (L) Taub (Fam.Leguminosae),*
It consists chiefly of a high-molecular-weight hydrocolloidal polysaccharide, composed of galactose and mannnose units.

Application		
Expiration Date	unopened	24 months from date of manufacture (Store in dry place and cool temp.)
	opened	30 days (Storage seal and dry at refrigrate)
Package	Outer	Carton box
	Inner	Low-density Polyethelene bag for food (25kg×1box)
Labeling for usage of food		

Information of Material	
GMO material	GMO material and its processed products are not used.
Allergen material	No use material of rice, crustacean and the product origin, including 25 items assigned in Japan
Bovine original	The material origin livestock meats including brain, eye, spinal cord, and bowel are not used.
Agricultural chemical residual	Material used agricultural chemicals are not used.
Disapproved Ingredient	Ingredients disapproved in Japan are not used.

Product standard

Standard items	Specification	Analysis method
Appearance	Grayish white powder	
Loss on dry	Not more than 12%	
pH	7.0±1	
Viscotsity	Not less than 2,500 mPa･s	
	Not less than 1,500 mPa･s	
Total plate count	Not more than 3,000 cfu/g	
E.coli	Negative	
Heavy metal as Pb	Not more than 20.0 μg/g	
Arsenic as AS_2O_3	Not more than 2.0 μg/g	