MARINE SCIENCE CO., LTD.

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Color Compound

MS-070313-01

QUALITY SPECIFICATION

Product	Gardenia Black Color (Blue type)
Manufacturer	MSC CO.,LTD.(KOREA)
Importer	MARINE SCIENCE CO.,LTD.

Summary

A dark black powder with a faint characteristic odor.
It exhibits a dark BLUISH black color on food in pH 2.0 - 10.0
Soluble in water diluted alchol and propylene glyco, but insoluble in oils and ether
This is not influenced by the change of pH
All the metal ions except Fe^{2+}、Sn^{2+} give no effect on stability.

Application

Cavier eggs	0.5 - 1.5%
Potato rice cake	0.02 - 0.2%
Frozen food	0.02 - 0.2%
Noodle	0.02 - 0.2%
Confectioner	0.02 - 0.2%
Bakery, Past	0.02 - 0.2%

Expiration Date	unopened	12 months from date of manufacture(Storage seal and dry at refrigrate)
	opened	30 days(Storage seal and dry at refrigrate)
Package	Outer	Pending
	Inner	Pending
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
Total plate count	Not more than 1,000cfu/g	
E.coli	Negative	
Arsenic as AS_2O_3	Not more than 2.0 μ g/g	
Heavy metal as Pb	No more than 20.0 μ g/g	