

TECHNICAL DATA SHEET

Issued Date: 01-19-2024

Product Name: Vegetable Green Blend Powder WS4025

Product Code: 301703

Description

Vegetable Green Blend Powder WS4025 is an all-natural blue food color powder derived from spirulina and Turmeric. The principal coloring component is phycocyanin and Curcumin.

Identification

Chemical Name	/
Synonyms	Phycocyanin, C-Phycocyanin, Phycocyanin C
Latin Name	<i>Arthrospira Platensis</i>
CAS No.	/
CNS No.	08.137
E No.	/
Empirical Formula	$C_{34}H_{39}N_3O_6$
Molecular Weight	585.71

Chemical Name	(1E,6E)-1,7-Bis(4-hydroxy-3-methoxyphenyl)hepta-1,6-diene-3,5-dione
Synonyms	Turmeric extract, Turmeric
Latin Name	<i>Curcuma longa L.</i>
CAS No.	458-37-7
CNS No.	/
E No.	E100
Empirical Formula	$C_{21}H_{20}O_6$
Molecular Weight	368.37

Solubility

Dissolves quickly in cold and warm water to make a homogeneous transparent solution.

Stability & Storage

Heat Stability: stable under 40°C

pH Stability: stable at pH 4.5 to 8.0

Storage condition: Store in a tightly closed container in a cool, dark place.

Beneficial Properties

Color: Green.

Application

Ice Cream, Panned Candy, Yogurt and fruit preparation, frosting, beverages.

Regulatory Status

EU Coloring food without E-number. Food Additives Regulation EC No.1333/2008: E100 Curcumin
USA Food Additives CFR Title 21 Part 73.530 Spirulina extract and CFR Title 21 Part 73.615 Turmeric Oleoresin.

Labeling

EU: E100

USA: Colored with Spirulina Extract and Turmeric Oleoresin, Spirulina Extract (Color), Turmeric Oleoresin (Color)

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