



Product Specification

Product Name: INDIGO CARMINE Redox Indicator (C.I. 73015) LR

Alternate Name(s) Acid blue 74; C.I. Food Blue 1.

Description

Dark blue to purple powder; odourless.

Properties

Chemical Formula:

Molecular Weight: 466.36

Product Code: IL004

CAS No. 860-22-0

General Information:

Soluble in water. Slightly soluble in alcohol. Insoluble in most other organic solvents.
Sensitive to light.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH36

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 80.0% min. (dye content)

Specific Properties and Impurities [Typical levels]:

Solubility in water ~10 g/l @ 25°C

Melting point > 300°C

Loss on drying ≤ 5.0%

Visual Transition Interval

From pH 11.5 (blue) Passes test

to pH 14.0 (yellow) Passes test

Aqueous solubility (1g/100 ml @ 25°C) Passes test

Subsidiary dies (ex. Disodium ≤ 1.00%

3,3-dioxo 2,2-bi-indolyldine-5,7 disulfonate)

Dye Intermediates ≤ 0.50%

Heavy metals (as Pb) ≤ 0.004%

Arsenic (As) ≤ 0.0008%

Cadmium (Cd) ≤ 0.0001%

Lead (Pb) ≤ 0.001%

Mercury (Hg) ≤ 0.0001%

Sulfur (S) 13.0 - 14.0%

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