

94160 Indigotin Blue

C.I. 73015, Acid Blue 74

Indigo is an artificial organic colorant. Indigotin is a dark blue powder with a copper mica, and contrary to indigo is soluble in water. Approx. 10 g indigocarmin are soluble in 1 l water (25°C).

This powder is also soluble in ethanol.

Chemical name:	Acid Blue 74; Food Blue 1
Chemical formula:	C ₁₆ H ₈ N ₂ NaO ₈ S ₂
CAS No.:	860-22-0
EINECS:	212-728-8
Color Index Number:	73015
Molecular weight:	466.36

Product Specification

Properties	Specification	Method	Comments
Pure dye content	≤ 85 %	CQ/SP	1 % E = 480 1cm λ max = 610 ± 2 nm
Solubility	H ₂ O soluble Ethanol: partially soluble Acetone/CH ₂ Cl ₂ : insoluble		
Appearance	dark-blue powder	CQ/AP	
Appearance solution 1 %	blue-limpid blue - green	CQ/TS	pH 2,5 – 7 pH 10
Chlorides	≤ 15 %	CQ/CL	
Sulphates	≤ 15 %	CQ/SF	
Loss on drying at 135°C	≤ 15 %	CQ/UM	
Subsidiary coloring matter	≤ 1.0 %	CQ/CA	
Organic compounds other than coloring matter	≤ 0.5 %	CQ/PI	
Water insoluble matter	≤ 0.2 %	CQ/IN	
Unsulphonated primary aromatic amines	≤ 0.01 %	CQ/AA	
Ether-extractable matter	≤ 0.2 %	CQ/EE	
Disodium 3,3'-dioxo-2,2'-bi-indolylidene-5,7'-disulfonate	≤ 18 %	CQ/HPLC	
Arsenic	≤ 3 mg/kg	CQ/AS	
Lead	≤ 2 mg/kg	CQ/PB	
Mercury	≤ 1 mg/kg	CQ/HG	
Cadmium	≤ 1 mg/kg	CQ/CD	



Storage: Keep in sealed original container in dry and cool place. Keep away from direct sunlight and moisture, do not freeze.

Shelf-life: 60 months when stored in the original container in a dry and cool place.

Quality: The product complies to the specific purity criteria stated on Directive 231/2021/EC (128/2008/EC)

Genetically Modified Organism (Reg. EC 1829/2003 and 1830/2003): Product does not derive or contain or comes from any GMO. No labelling required.

Allergene (Reg. EU No. 1169/2011): Product does not contain any allergens. Cross contamination managed by specific production and clearing procedure.

Ionizing Radiation: No irradiation applied.

TSE / BSE (CPMP/410/01): Product does not derive or contain animal origin. Free of TSE/BSE. No labelling required.