

Certificate of analysis

Analysis card 09-120

Product code 09-120

Stability of product properly conserved at 15-20°C 24 months.

Packaging 500-1000 ml or on request

Identification of the substance

Product identifiers. Product name Bleu de lactophenol

Identified uses: Laboratory chemicals - Manufacture of substances - Laboratory reagent's stain

Details of the producer

DDKItalia S.r.l.

Via Marche 19-27029 Vigevano

Person responsible of leading into market

Gino dr De Marchi – Adrian pi Bravo

info@ddkitalia.com • www.ddkitalia.com

09-120 Bleu de lactophenol

Batch F021F023R expires date 06-2023

		Spec. values			Batch values			
		passes			passes			
Ethyl alcohol								
pH 7.0 (10 g/l, H ₂ O, 20 °C)								
Purity (GC)		99.9 %						
Identity (IR)		Eligible						
Apparenze		Eligible						
Color		10 Hazen						
Solubility in H ₂ O		Eligible						
Acidity		Eligible						
Phenol PhOH ⇌ PhO ⁻ + H ⁺ (K = 10 ⁻¹⁰)					passes			
CAS number 108-95-2								
PubChem 996								
ChemSpider 971								
UNII 339NCG44TV								
Drug Bank DB03255								
L-(+)-Lactic acid		C ₃ H ₆ O ₃						
Melting point		18 °C (64 °F; 291 K)						
Boiling point		122 °C (252 °F; 395 K) at 15 mmHg						
Solubility in water		Miscible						
Acidity		(pK _a) 3.86, 15.1						
heating value		(Δ _c H ₂₉₈)						
		1361.9 kJ/mol, 325.5 kcal/mol, 15.1 kJ/g, 3.61 kcal/g						
Distilled water		passes			passes			
Contaminant	Parameter	Grade 1	Grade 2	Grade 3	Type I	Type II	Type III	Type IV
Ions	Resistivity at 25°C/MΩ·cm	10	1	0.2	18	1.0	0.25	0.2
	Conductivity at 25°C/μS·cm ⁻¹	0.1	1.0	5.0	0.056	1.0	4.0	5.0
Acidity/Alkalinity	pH at 25°C	-	-	5.0–7.5	-	-	-	5.0–8.0
Organics	Total Organic Content/p.p.b.(μg/l)	-	-	-	50	50	200	-
Total Solids	mg/kg	-	1	2	-	-	-	-
Colloids	Silicia/μg/mL	-	-	-	<3	<3	<500	-
Bacteria	CFU/mL	-	-	-	-	-	-	-
Suitability for microscopy		passes test			passes test*			
Expire date 06-2023								

This document has been produced electronically and is valid without signature

Adrian pi Bravo
Q.C. Laboratory

* Notes.

Distilled water or tap water can be used for rinsing and moisturizing. Always check the pH of your tap water and chlorine levels before proceeding with any type of biological tissue and stain.