

Certificate of Analysis

Product Name:

Standard Colour Solution BY (Brownish Yellow) for examination of the colour of solutions (BY1-BY7), PurCert (according to EP)

Product No.: PSR46925
Lot No.: Sample COA
Brand: PureSynth
CAS No.: NA
Molecular Formula: NA
Molecular Weight: NA
Date of Mfg.: NA
Date of Exp.: NA

A) Standard solution

Standard solution Composition (for 10 ml solution):	Volume in millilitres			
	Primary Yellow Solution	Primary Red Solution	Primary Blue Solution	Hydrochloric acid (10 g/l HCl)
	2.40 +/- 1.0%	1.00 +/- 0.5%	0.40 +/- 1.3%	6.20 +/- 0.1%

Raw-materials:	Primary Yellow Solution: 45.0 +/- 0.2 mg/ml $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$
	Primary Red Solution: 59.5 +/- 0.4 mg/ml $\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$
	Primary Blue Solution: 62.4 +/- 0.2 mg/ml $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
	Hydrochloric acid: 10.0 +/- 0.1 g/l HCl

*The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

This product was manufactured in accordance with the requirements of the current edition of the 2.2.2. of European Pharmacopoeia.

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.

For queries on this COA, please contact our technical team at technical@pure-synth.com

B) Color Solutions BY1-BY7

Reference solution	Volumes in millilitres	
	Standard solution BY	Hydrochloric acid (10g/L HCl)
BY1	100.0	0.0
BY2	75.0	25.0
BY3	50.0	50.0
BY4	25.0	75.0
BY5	12.5	87.5
BY6	5.0	95.0
BY7	2.5	97.5

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at room temperature and keep the container tightly closed

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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