

Product Specification

Product Name:

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

Product No.: PSR46925
Brand: PureSynth
CAS No.: NA
Molecular Formula: NA
Molecular Weight: 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 information represented here may/may not represent the entire product specification and application recommended by PureSynth Research Chemicals. This information is for the user scientists or trading community as a guide in their applications. The company claims no liability for misuse resulting due to wrong usage of the information above.

For queries on this Specifications, 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

Specification: PC-1.0-QA/1148

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