

Product Specification

Product Name:

Standard Colour Solution B (Brown) for examination of the colour of solutions (B1-B9), PurCert (according to EP)

Product No.: PSR42531
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)
	3.00 +/- 1.7%	3.00 +/- 1.7%	2.40 +/- 2.1%	1.60 +/- 0.3%

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.

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B) Color solutions B1-B9

Reference solution	Volumes in millilitres	
	Standard solution B	Hydrochloric acid (10g/L HCl)
B1	75.0	25.0
B2	50.0	50.0
B3	37.5	62.5
B4	25.0	75.0
B5	12.5	87.5
B6	5.0	95.0
B7	2.5	97.5
B8	1.5	98.5
B9	1.0	99.0

Specification: PC-1.0-QA/1142

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