

Certificate of Analysis

Reference Material & Standard

Product Name:	Phenols Mix 19	Catalogue Number:	MCEM590915-DI
Appearance:	Colourless Liquid	Lot Number:	0515-RH-0106
Solvent:	Dichloromethane	Storage:	-20°C±5°C Protected from light and Sealed
Expiry Date:	Aug 20, 2029	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:

N/A

NO.	Component	CAS No.	Certified Concentration Value (µg/mL)	Uncertainty (µg/mL)
1	Pentachlorophenol	87-86-5	99.5	3.0
2	2,3,4,5-Tetrachlorophenol	4901-51-3	99.8	3.0
3	2,3,4,6-Tetrachlorophenol	58-90-2	99.6	3.0
4	2,3,5,6-Tetrachlorophenol	935-95-5	99.6	3.0
5	2,3,4-Trichlorophenol	15950-66-0	100.4	3.1
6	4-Chlorophenol	106-48-9	100.1	3.1
7	2-Chlorophenol	95-57-8	99.8	3.0
8	3,4,5-Trichlorophenol	609-19-8	99.7	3.0
9	2,3,5-Trichlorophenol	933-78-8	100.5	3.1
10	2,6-Dichlorophenol	87-65-0	100.2	3.1
11	2,4,6-Trichlorophenol	88-06-2	100.3	3.1
12	2,3,6-Trichlorophenol	933-75-5	100.5	3.1
13	2,4-Dichlorophenol	120-83-2	99.9	3.0
14	2,4,5-Trichlorophenol	95-95-4	99.8	3.0
15	2,3-Dichlorophenol	576-24-9	100.2	3.1
16	3,5-Dichlorophenol	591-35-5	99.8	3.0
17	2,5-Dichlorophenol	583-78-8	100.3	3.1
18	3,4-Dichlorophenol	95-77-2	100.5	3.1
19	3-Chlorophenol	108-43-0	100.4	3.1

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

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Reviewed by:

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Approved by General Manager:

David

Date: May 20, 2026

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