

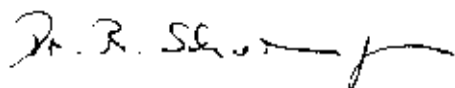
## Certificate of Analysis

Product Name:

Phenol - puriss., ≥99.5% (GC), meets analytical specification of Ph. Eur., BP, USP, crystalline (detached)

**Product Number:** 16016  
**Batch Number:** BCCM7630  
**Brand:** SIAL  
**CAS Number:** 108-95-2  
**Formula:** C<sub>6</sub>H<sub>6</sub>O  
**Formula Weight:** 94,11 g/mol  
**Quality Release Date:** 24 FEB 2025  
**Recommended Retest Date:** JUN 2028

Test	Specification	Result
Appearance (Color)	Colorless to Faint Red	Colorless
Appearance (Form)	Powder or Crystals or Chunk(s)	Crystals
Titration with NaOH	99.0 - 100.5 %	99.8 %
Purity (GC)	≥ 99.5 %	100.0 %
Solubility (Color)	Colorless to Very Faint Brown	Colorless
Solubility (Turbidity)	Clear	Clear
1 g in 15 ml Water		
Water	≤ 0.3 %	0.1 %
Residue after evaporation	≤ 0.05 %	0.00 %
Pharmacopeia Tests	Corresponds to Requirements	Corresponds
Application Test	Corresponds to Requirements	Corresponds
Heavy Metals (as Pb) < = 3 ppm		
Miscellaneous Assay	Corresponds to Requirements	Corresponds
Non Volatile Matter < = 0.05%		
Residual Solvents (GLC-HS)	Corresponds to Requirements	Corresponds
Residual Solvents, Complies		



Dr. Reinhold Schwenninger  
Quality Assurance  
Buchs, Switzerland CH

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

