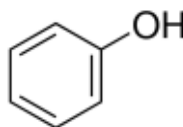


## Certificate of Analysis

Product Name:

Phenol - puriss. p.a., ACS reagent, reag. Ph. Eur., 99.0-100.5%

**Product Number:** 33517  
**Batch Number:** STBL0623  
**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:** 27 FEB 2023  
**Recommended Retest Date:** JUN 2025




Test	Specification	Result
Assay	99.0 - 100.5 %	99.6 %
Purity (GC)	≥ 99.5 %	> 99.9 %
GC Minor Component 1 O-Cresol	≤ 0.05 %	< 0.05 %
GC Minor Component 2 M-Cresol	≤ 0.05 %	< 0.05 %
GC Minor Component 3 P-Cresol	≤ 0.05 %	< 0.05 %
Freezing Point	≥ 40.5 °C	40.8 °C
Solubility (Color)	Complying	Complies
Solubility (Turbidity)	Complying	Complies
Water	≤ 0.2 %	0.1 %
Residue after evaporation	≤ 0.01 %	< 0.01 %
Acidity	Complying	Complies
Heavy Metal (As Pb)	≤ 0.001 %	< 0.001 %
Miscellaneous Assay Sensitivity as Microanalytical Reagent	Complying	Complies
Chloride (Cl)	≤ 0.0005 %	< 0.0005 %
Iron (Fe)	≤ 0.0001 %	< 0.0001 %

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.



## Certificate of Analysis

Product Number: 33517  
Batch Number: STBL0623



Dr. Christian Matheis  
Manager, Quality Control  
Steinheim, Germany DE

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