

**SIGMA-ALDRICH**

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**Certificate of Analysis**

<b>Product Brand</b>	<b>Fluka</b>
<b>PRODUCT-NO</b>	13920
<b>PRODUCT</b>	O-BENZYL-DL-SERINE
	purum
<b>FORMULA</b>	C <sub>10</sub> H <sub>13</sub> NO <sub>3</sub>
<b>MOLECULAR MASS</b>	195.22
<b>CAS NUMBER</b>	5445-44-3

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<b>LOT</b>	1358923
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Test	Specification	Result
APPEARANCE (COLOR)	WHITE TO FAINTLY BEIGE	ALMOST WHITE
APPEARANCE (FORM)	POWDER TO FINE CRYSTALS	FINE CRYSTALS
TITRATION (NT) HClO <sub>4</sub> 0.1N	≥ 99.0 %	99.5 %
MELTING POINT (DEC.)	222 - 232 C	222 C
SOLUBILITY (COLOR)	COLORLESS TO VERY FAINTLY YELLOW	ALMOST COLORLESS
SOLUBILITY (TURBIDITY)	CLEAR (< 3.5 NTU)	CLEAR (<3.5 NTU)
SOLUBILITY (METHOD)	--	0.5 G IN 10 ML ACOH, HEAT
CARBON CONTENT	61.53 % (THEORY)	61.35 %
HYDROGEN CONTENT	6.71 % (THEORY)	6.61 %
NITROGEN CONTENT	7.17 % (THEORY)	7.22 %
NMR SPECTRUM 1H	CORRESPONDS TO STANDARD SPECTRUM	CORRESPONDS

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<b>DATE OF QC-RELEASE</b>	26/SEP/07
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Dr. G. van Look, Manager  
Quality Control  
Buchs, Switzerland

Sigma-Aldrich guarantees the 'Sales-Specification' values only, additional lot specific tests may be included for further information. The current 'Sales-Specifications' sheet is available on request. For further inquiries, please contact our Technical Service. Sigma-Aldrich warrants, that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice for additional terms and conditions of sale. The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.