

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	03313
<b>Product</b>	<b><i>O</i>-Benzyl-D-serine</b>
	D-Ser(Bzl)-OH
<b>CAS Number</b>	10433-52-0
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>13</sub> NO <sub>3</sub>
<b>Molecular Weight</b>	195.2

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<b>Appearance</b>	White to off-white powder
<b>Water Content (Karl Fisher)</b>	≤ 0.5%
<b>TLC System</b>	Ethyl acetate/n-Butanol/Acetic acid/Water (2:1:1:1)
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -20.0 to -25.0° (C=1 in AcOH/1M HCl = 8:2)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Residue On Ignition</b>	≤ 0.2%
<b>Assay by titration</b>	≥ 98%
<b>L-Enantiomer</b>	≤ 0.1%
<b>Purity by HPLC</b>	≥ 99%
<b>Purity by TLC</b>	≥ 99%
<b>Chiral Purity</b>	≥ 99.9% (ee)
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**