

# Chem-Impex International, Inc.

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## Product Specifications

<b>Catalogue Number</b>	30779
<b>Product</b>	<b>2-Deoxy-D-ribose, low endotoxin <math>\leq 10</math> EU/mg</b>  2-Deoxy-D-arabinose, low endotoxin $\leq 10$ EU/mg  2-Deoxy-D-erythro-pentose, low endotoxin $\leq 10$ EU/mg
<b>CAS Number</b>	533-67-5
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>10</sub> O <sub>4</sub>
<b>Molecular Weight</b>	134.13
<b>Appearance</b>	White to slightly yellowish crystalline powder
<b>Appearance of Solution</b>	Clear, colorless to faint yellow (C = 5%, w/v, in H <sub>2</sub> O)
<b>Heavy Metals</b>	$\leq 20$ ppm (as Pb)
<b>pH</b>	6.0-8.0
<b>Yeast and Mold</b>	$\leq 100$ CFU/g (TYMC)
<b>Optical Rotation</b>	$[\alpha]_D^{20} = -54$ to $-58^\circ$
<b>Infrared Spectrum</b>	Conforms to standard
<b>Loss on Drying</b>	$\leq 0.5\%$ (40° C, 20 Torr, 5 h)
<b>Endotoxin Test</b>	$\leq 10$ EU/mg
<b>Microbial Count</b>	$\leq 100$ CFU/g (TAMC)
<b>Residue On Ignition</b>	$\leq 0.5\%$ (as sulphated ash)
<b>Assay by titration</b>	$\geq 97\%$ (dry basis)
<b>Purity by HPLC</b>	$\geq 99\%$
<b>Grade</b>	Cell culture grade
<b>Storage</b>	Store at 0-8 °C
<b>Additional Information</b>	Animal component free status: confirmed

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**For Laboratory Use Only**