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# Specification

## Technical Data Sheet

<b>Product Name</b>	Novobiocin sodium salt
<b>Product No</b>	51758785
<b>CAS Number</b>	1476-53-5
<b>Storage Temperature</b>	2 to 8 °C
<b>Molecular Weight</b>	634.61 g/mol
	<b>Specification</b>
<b>Appearance</b>	White/off white crystalline powder
<b>Colour in solution</b>	<0.4
<b>Impurities Total</b>	<12.0%
<b>Novobiocin As Is Average HPLC Normal</b>	>845ug/mg
<b>Novobiocin Dried Basis HPLC Normal</b>	>850ug/mg
<b>Specific Rotation Dried Basis - USP</b>	-58 to -50°
<b>pH - USP</b>	6.5 - 8.5
<b>Loss On Drying - US</b>	<6.0%
<b>Residue On Ignition Dried Basis - USP</b>	10.5 - 12.0%
<b>Acetone - USP</b>	<5000ppm
<b>Methanol - USP</b>	<3000ppm
<b>Heptane - USP</b>	<5000ppm
<b>Isooctane - USP</b>	<5000ppm
<b>Residual Novobiocin Acid</b>	<2.0%
<b>Microcount Bacteria</b>	<100cfu/g
<b>Microcount Fungi</b>	<10cfu/g
<b>Residual Solvents Total</b>	<27000ppm
<b>Novobiocin-2,3-Carbonate</b>	<0.5%
<b>Unknown B (RRT approx. 0.3)</b>	<0.5%
<b>Decarbamyl Novobiocin</b>	<6.0%
<b>Impurities unspecified</b>	<1.0%
<b>Isonovobiocin</b>	<4.0%