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SPECIFICATION SHEET

<u>Catalog Number:</u>	04-1769
<u>Product Name:</u>	L-HISTIDINE HYDROCHLORIDE MONOHYDRATE (L-His-OH.HCl.H ₂ O)
<u>CAS Number:</u>	5934-29-2
<u>Chemical Formula:</u>	C ₆ H ₉ N ₃ O ₂ •HCl•H ₂ O
<u>Molecular Weight:</u>	209.60
<u>Appearance:</u>	White crystals or crystalline powder
<u>Specific rotation $[\alpha]_D^{25}$:</u>	+8.5° ~ +10.5°
<u>Chloride (Cl):</u>	16.7 ~ 17.1%
<u>Sulphate (SO₄):</u>	0.030% max
<u>Ammonium (NH₄):</u>	0.03% max
<u>Iron (Fe):</u>	15ppm max
<u>Heavy Metals (Pb):</u>	15ppm max
<u>Arsenic (As₂O₃):</u>	1pp max
<u>Loss on drying:</u>	0.20% max
<u>Residue on ignition:</u>	0.10% max
<u>pH:</u>	3.5-4.5
<u>Assay:</u>	98.5-100.5%