

DPST Accessories and Auxiliary

DPST Ion Standards

These exactly composed electrolyte solutions are reliable standards for the calibration of DPST ISE and other electrodes. Two different concentrations (at 20 °C) are available in 500 ml and 1 l plastic bottles.

DPST Ion Standard	Molar concentration	Mass concentration
Ammonium, NH_4Cl	$c = 0,100 \text{ mol/l}$	$c = 1,00 \text{ g N/l}$
Lithium, LiCl	$c = 0,100 \text{ mol/l}$	$c = 1,00 \text{ g Li/l}$
Sodium, NaCl	$c = 0,100 \text{ mol/l}$	$c = 1,00 \text{ g Na/l}$
Potassium, KCl	$c = 0,100 \text{ mol/l}$	$c = 1,00 \text{ g K/l}$
Calcium, CaCl_2	$c = 0,100 \text{ mol/l}$	$c = 1,00 \text{ g Ca/l}$
Calcium, CaCl_2	$c = 1,00 \text{ g CaO/l}$ (100 °German hardness)	
Barium, BaCl_2	$c = 0,100 \text{ mol/l}$	$c = 1,00 \text{ g Ba/l}$
Nitrate, KNO_3	$c = 0,100 \text{ mol/l}$	$c = 1,00 \text{ g NO}_3\text{/l}$
Nitrate, KNO_3	$c = 1,00 \text{ g NO}_3\text{-N/l}$ (nitrate nitrogen)	
Fluoroborate, NaBF_4	$c = 0,100 \text{ mol/l}$	$c = 1,00 \text{ g B/l}$
Perchlorate, NaClO_4	$c = 0,100 \text{ mol/l}$	$c = 1,00 \text{ g ClO}_4\text{/l}$
Fluoride, NaF	$c = 0,100 \text{ mol/l}$	$c = 1,00 \text{ g F/l}$
Ammonia, NH_4Cl	$c = 0,100 \text{ mol/l}$	$c = 1,00 \text{ g NH}_3\text{/l}$
Carbon dioxide, NaHCO_3	$c = 0,100 \text{ mol/l}$	$c = 1,00 \text{ g CO}_2\text{/l}$

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