

Specifications for all ELIT Ion Selective Electrodes Nico2000 Ltd, London UK. (www.nico2000.net)

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Electrode	ISE Order Code	Ion	Mem-brane	Concn. Range (ppm)	pH Range	Temp. Range (°C)	Significant Interferences	Reference Electrode	R.E. Order Code	Calibration Standard Solution	ISAB	Add ISAB	Ion
AMMONIUM	ELIT 8051	NH ₄ ⁺	PVC	0.03 - 1,800	0 - 8.5	0 - 50	K ⁺	D.J. 0.1M CH ₃ COOLi	ELIT 003	NH ₄ Cl	1M MgSO ₄	10% v/v	NH₄⁺
BROMIDE	ELIT 8271	Br ⁻	Crystal	0.4 - 8,000	1 - 12	0 - 80	Ag ⁺ , CN ⁻ , I ⁻ , S ⁻² , Cl ⁻	D.J. 0.1M CH ₃ COOLi	ELIT 003	KBr	5M NaNO ₃	2% v/v	Br⁻
CADMIUM	ELIT 8241	Cd ⁺²	Crystal	0.1 - 11,000	3 - 7	0 - 80	Ag ⁺ , S ⁻² , Cu ⁺² , Fe ⁺² , Fe ⁺³ , Hg ⁺² , Pb ⁺²	D.J. 0.1M CH ₃ COOLi	ELIT 003	Cd(NO ₃) ₂	5M NaNO ₃	2% v/v	Cd⁺²
CALCIUM	ELIT 8041	Ca ⁺²	PVC	0.02 - 4,000	3.5 - 11	0 - 50	Al ⁺³ , Ba ⁺² , Fe ⁺² , Cu ⁺² , Sr ⁺²	S.J. AgCl	ELIT 001	CaCl ₂	4M KCl	2% v/v	Ca⁺²
CHLORIDE	ELIT 8261	Cl ⁻	Crystal	1 - 35,000	1 - 12	0 - 80	Br ⁻ , CN ⁻ , I ⁻ , S ⁻² , Ag ⁺	D.J. 0.1M CH ₃ COOLi	ELIT 003	KCl	5M NaNO ₃	2% v/v	Cl⁻
COPPER	ELIT 8227	Cu ⁺²	Crystal	0.006 - 6,400	2 - 7	0 - 80	Ag ⁺ , Br ⁻ , Cd ⁺² , Cl ⁻ , Fe ⁺² , Hg ⁺² , S ⁻	D.J. 0.1M CH ₃ COOLi	ELIT 003	CuSO ₄	5M NaNO ₃	2% v/v	Cu⁺²
CYANIDE	ELIT 8291	CN ⁻	Crystal	0.03 - 260	11 - 13	0 - 80	I ⁻ , S ⁻² , Ag ⁺	D.J. 0.1M CH ₃ COOLi	ELIT 003	KCN	10M NaOH	2% v/v	CN⁻
FLUORIDE	ELIT 8221	F ⁻	Crystal	0.06 - 1,900	4 - 8	0 - 80	OH ⁻	S.J. AgCl	ELIT 001	NaF	TISAB	1:1	F⁻
IODIDE	ELIT 8281	I ⁻	Crystal	0.06 - 12,700	2 - 12	0 - 80	CN ⁻ , S ⁻² , Ag ⁺ , S ₂ O ₃ ⁻²	D.J. 0.1M CH ₃ COOLi	ELIT 003	KI	5M NaNO ₃	2% v/v	I⁻
LEAD	ELIT 8231	Pb ⁺²	Crystal	0.2 - 20,800	3 - 7	0 - 80	Ag ⁺ , S ⁻² , Cd ⁺² , Cu ⁺² , Fe ⁺² , Fe ⁺³ , Hg ⁺²	D.J. 0.1M CH ₃ COOLi	ELIT 003	Pb(NO ₃) ₂	5M NaNO ₃	2% v/v	Pb⁺²
MERCURY	ELIT 8251	Hg ⁺²	Crystal	0.2 - 20,100	0 - 2	0 - 80	Ag ⁺ , S ⁻²	D.J. 0.1M CH ₃ COOLi	ELIT 003	Hg(NO ₃) ₂	0.1M HNO ₃	1:1	Hg⁺²
NITRATE	ELIT 8021	NO ₃ ⁻	PVC	0.3 - 6,200	2 - 11	0 - 50	BF ₄ ⁻ , Cl ⁻ , ClO ₄ ⁻ , CN ⁻ , I ⁻ , NO ₂ ⁻ , HCO ₃ ⁻	D.J. 0.1M CH ₃ COOLi	ELIT 003	NaNO ₃	2M (NH ₄) ₂ SO ₄	2% v/v	NO₃⁻
NITRITE	ELIT 8071	NO ₂ ⁻	PVC	0.5 - 460	4.5 - 8.0	0 - 50	CN ⁻ , CH ₃ COO ⁻ , F ⁻ , Cl ⁻ , NO ₃ ⁻ , SO ₄ ⁻²	S.J. AgCl	ELIT 001	NaNO ₂	BS1 or BS2	1:1	NO₂⁻
PER-CHLORATE	ELIT 8061	ClO ₄ ⁻	PVC	0.2 - 9,960	0 - 11	0 - 50	Cl ⁻ , I ⁻ , NO ₃ ⁻ , SCN ⁻	S.J. AgCl	ELIT 001	NaClO ₄	1M CH ₃ COONa	2% v/v	ClO₄⁻
POTASSIUM	ELIT 8031	K ⁺	PVC	0.4 - 3,900	1 - 9	0 - 50	Cs ⁺ , NH ₄ ⁺	D.J. 0.1M CH ₃ COOLi	ELIT 003	KCl	2.5M NaCl	2% v/v	K⁺
SILVER	ELIT 8211	Ag ⁺	Crystal	0.01 - 10,790	1 - 9	0 - 80	Hg ⁺² , S ⁻²	D.J. 0.1M CH ₃ COOLi	ELIT 003	AgNO ₃	5M NaNO ₃	2% v/v	Ag⁺
SODIUM	ELIT 8230	Na ⁺	PVC	0.05 - 2,300	3 - 10	0 - 50	Most cations	S.J. AgCl	ELIT 001	NaCl	NONE		Na⁺
SULPHIDE	ELIT 8225	S ⁻²	Crystal	0.003 - 3,200	13 - 14	0 - 80	Ag ⁺ , Hg ⁺²	D.J. 0.1M CH ₃ COOLi	ELIT 003	Na ₂ S	10M NaOH or SAOB	2% v/v	S⁻²
THIO-CYANATE	ELIT 8229	SCN ⁻	Crystal	1 - 5,800	2 - 12	0 - 80	Br ⁻ , Cl ⁻ , I ⁻ , Ag ⁺ , S ⁻² , S ₂ O ₃ ⁻²	D.J. 0.1M CH ₃ COOLi	ELIT 003	KSCN	5M NaNO ₃	2% v/v	SCN⁻