



FS540804

NOVATRON

SCIENTIFIC



no.0669

UKAS certified ISO 17025 Humidity Calibration Salt Capsules

Simple to use * Various Humidity levels * Fully Certified

- Fully portable, fully UKAS traceable, use on-site or laboratory based
- No preparation, no mess, no power or auxiliary equipment needed
- Can be used many times over, no shelf life limit
- Annual recalibration to UKAS traceability ISO 17025 only needed
- Life span around 5 years per salt capsule
- Fits most types of humidity probes:- **SC** type : max. 18mm diameter, max. depth 55mm
- **SAL-T** type : diameter 40mm, height 12mm
- Simple to use and store. Fully re-useable with re-sealing containers
- **SC salt pots for air humidity probes** or **SAL-T salt tablets for water activity meters**
- A full range of humidity values from 6% up to 97/98 % humidity
- Calibration uncertainty typically +/- 1.7 % RH
- Health & safety (Coshh) material data sheets available with all calibration salts



SC sensor checks for air probes



SC sensor checks used on air probe



SAL-T tablet for water activity

Relative humidity emitted at specified temperatures:

SAL-T (aw)	SC (rh%)	Composition	15°C	20°C	25°C	30°C
SAL-T / 4		CsF (>25%)	4.3%	3.8%	3.4%	3.0%
SAL-T / 6	SC-6	LiBr	6.9 %	6.6%	6.4%	6.2%
SAL-T / 11	SC-11	LiCl	11.3%	11.3%	11.3%	11.3%
SAL-T / 33	SC-33	MgCl ₂ -6H ₂ O	33.3%	33.1%	32.8%	32.4%
SAL-T / 53	SC-53	Mg(NO ₃) ₂ -6H ₂ O	55.9%	54.4%	52.9%	51.4%
SAL-T / 58	SC-58	NaBr	60.7%	59.1%	57.6%	56.0%
SAL-T / 75	SC-75	NaCl	75.6%	75.5%	75.3%	75.1%
SAL-T / 84	SC-84	KCl	85.9%	85.1%	84.3%	83.6%
SAL-T / 90	SC-90	Ba(Cl) ₂ -2H ₂ O	90.9%	90.5%	90.1%	89.9%
SAL-T / 97	SC-97	K ₂ SO ₄ (>20%)	97.9%	97.6%	97.3%	97.0%
SAL-T / 98		K ₂ Cr ₂ O ₂	-	98.2%	98.0%	98.0%

References : Greenspan, Humidity Fixed Points of Binary Saturated Aqueous Solutions
Journal of Research of the National Bureau of Standards Vol. 81A, No1 01/02 1977

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