

## Inorganic compounds

Test medium	Chemical formula	Concentration %	temperature °C	pressure (bar)	carbon graphite, not impregnated	graphite, not impregnated	carbon graphite, resin impregnated	graphite, resin impregnated	resin bonded carbon	carbon graphite and graphite, antimony impregnated	carbon graphite and graphite, lead impregnated	carbon graphite and graphite, copper impregnated
<b>6. Water, salts, salt solutions</b>												
Aluminum chloride, aqueous	AlCl <sub>3</sub>	ca. 32	20	-	+	+	+	+	+	+	+	+
Ammonium iron (III) sulfate, aqueous	NH <sub>4</sub> Fe(SO <sub>4</sub> ) <sub>2</sub> · 12H <sub>2</sub> O	50	20	-	+	+	+	+	+	+	+	-
Ammonium nitrate, aqueous	NH <sub>4</sub> NO <sub>3</sub>	85	108	-	+	+	+	+	+	+	+	+
Ammonium sulfide solution, aqueous	(NH <sub>4</sub> ) <sub>2</sub> S+H <sub>2</sub> O	10	20	-	+	+	+	+	+	o	+	-
Iron (II) sulfate, aqueous	FeSO <sub>4</sub> · 7H <sub>2</sub> O	20	20	-	+	+	+	+	+	+	+	+
Hydrazine hydrate, aqueous	N <sub>2</sub> H <sub>4</sub>	0,1-100	100	-	+	+	+	+	+	+	+	+
Potassium bromide, aqueous	KBr	30	20	-	+	+	+	+	+	+	o	o
Potassium bromide, aqueous	KBr	30	100	-	o	o	o	o	o	-	-	-
Potassium iodide, aqueous	KJ	30	20	-	+	+	+	+	+	+	+	o
Potassium iodide, aqueous	KJ	30	100	-	+	+	+	+	+	+	+	-
Potassium nitrate, aqueous	KNO <sub>3</sub>	20	20	-	+	+	+	+	+	+	+	+
Potassium nitrate, aqueous	KNO <sub>3</sub>	20	100	-	+	+	+	+	o	o	o	o
Tap water, 348 ppm CaCO <sub>3</sub>	H <sub>2</sub> O	-	20	-	+	+	+	+	+	+	+	+
Monozinc phosphate, aqueous	Zn (H <sub>2</sub> PO <sub>4</sub> ) <sub>2</sub>	50	20	-	+	+	+	+	+	+	+	+
Monozinc phosphate, aqueous	Zn (H <sub>2</sub> PO <sub>4</sub> ) <sub>2</sub>	50	100	-	+	+	+	+	+	+	o	+
Sodium carbonate, purest, aqueous	Na <sub>2</sub> CO <sub>3</sub>	20	100	-	+	+	+	+	+	+	+	+
Sodium chloride, aqueous	NaCl	25	20	-	+	+	+	+	+	+	+	+
Sodium chloride, aqueous	NaCl	25	80	-	+	+	+	+	+	+	+	+
Sodium nitrite, aqueous	NaNO <sub>2</sub>	40	20	-	+	+	+	+	+	o	o	o
Sodium nitrite, aqueous	NaNO <sub>2</sub>	40	100	-	+	+	+	+	-	o	-	-
Tri-sodium phosphate, aqueous	Na <sub>3</sub> PO <sub>4</sub> · 12H <sub>2</sub> O	50	100	-	+	+	+	+	+	+	+	+
Sodium sulfite solution, aqueous	Na <sub>2</sub> SO <sub>3</sub>	20	100	-	+	+	+	+	+	+	+	+
Nickel sulfate, aqueous	NiSO <sub>4</sub> · 7H <sub>2</sub> O	appr. 28	20	-	+	+	+	+	+	+	+	+
Sea water		27,3g NaCl 3,3g MgCl <sub>2</sub> 2,2g MgSO <sub>4</sub> 0,2g KBr	20	-	+	+	+	+	+	+	+	+
Silicon tetrachloride, technical	SiCl <sub>4</sub>	-	20	-	+	+	+	+	+	+	-	+
Titanium tetrachloride	TiCl <sub>4</sub>	100	20	-	+	o	+	+	+	o	-	o
+ resistant      o partially resistant      - not resistant												