

## Organic 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>10. Acids</b>												
Formic acid	HCOOH	98-100	20	-	+	+	+	+	+	+	-	+
Benzoic acid, alcoholic	C <sub>6</sub> H <sub>5</sub> COOH	40	20	-	+	+	+	+	+	+	+	+
Benzoic acid, aqueous	C <sub>6</sub> H <sub>5</sub> COOH	ca. 2	80	-	+	+	+	+	+	+	+	+
Butyric acid	C <sub>3</sub> H <sub>7</sub> COOH	98-100	20	-	+	+	+	+	+	+	o	+
Acetic acid	CH <sub>3</sub> COOH	98-100	20	-	+	+	+	+	+	+	+	+
Lauric acid	C <sub>11</sub> H <sub>23</sub> -COOH	-	160-165	-	+	+	+	+	+	+	+	+
Myristic acid	C <sub>13</sub> H <sub>27</sub> COOH	-	160-165	-	+	+	+	+	+	+	+	+
Oxalic acid, alcoholic	(COOH) <sub>2</sub>	50	20	-	+	+	+	+	+	+	+	+
Palmitic acid	C <sub>15</sub> H <sub>31</sub> -COOH	-	160-165	-	+	+	+	+	+	+	+	+
O-phthalic acid, aqueous	C <sub>6</sub> H <sub>4</sub> (COOH) <sub>2</sub>	15	100	-	+	+	+	+	+	+	o	-
Stearic acid	C <sub>17</sub> H <sub>35</sub> -COOH	-	160-165	-	+	+	+	+	+	+	+	+
Trichloroacetic acid, aqueous	CH <sub>3</sub> COOH	50	81	-	+	+	+	+	+	+	+	+
Undecanoic acid	C <sub>10</sub> H <sub>21</sub> -COOH	-	180-185	-	+	+	+	+	+	+	+	+
Tartaric acid, technical, aqueous	C <sub>4</sub> H <sub>6</sub> O <sub>6</sub>	50	103	-	+	+	+	+	+	+	+	+
Citric acid, aqueous, saturated	C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	62,1	100	-	+	+	+	+	+	+	-	+
+ resistant      o partially resistant      - not resistant												