



| | | | |
|--------------------|------------------------|-------------------|----------------------------------------------------------------|
| Anzahl Pumpenhübe: | n = 1 | Reaktionsprinzip: | siehe Tabelle |
| Dauer der Messung: | 30 sec pro Hub (100ml) | Verfärbung: | AdS = am Anfang des Segmentes GS = über das gesamte Segment |
| Lagerzeit: | 1,5 Jahre | | |

| Detektionsschicht | | 1 NH ₃ (LILA) | 2 HCl (GELB) | 3 H ₂ S (WEISS) | 4 SO ₂ (BLAU) | 5 NO ₂ (WEISS) | 6 CO (GELB) | 7 CO ₂ (BLAU) |
|-------------------------------|---------------------|-------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------|
| Reaktionsprinzip | | $3\text{NH}_3 + \text{H}_3\text{PO}_4 \rightarrow (\text{NH}_4)_3\text{PO}_4$ | $\text{HCl} + \text{Base} \rightarrow \text{CHLORID}$ | $\text{H}_2\text{S} + \text{CuSO}_4 \rightarrow \text{CuS}$ | $\text{SO}_2 + \text{BaCl}_2 + \text{H}_2\text{O} \rightarrow 2\text{HCl}$ $\text{HCl} + \text{Base} \rightarrow \text{Chlorid}$ | $\text{NO}_2 + \text{C}_{14}\text{H}_{16}\text{N}_2 \rightarrow \text{C}_{14}\text{H}_{14}\text{N}_2\text{O}$ | $\text{CO} + \text{Na}_2\text{Pd}(\text{SO}_3)_2 \rightarrow \text{Pd}$ | $\text{CO}_2 + 2\text{KOH} \rightarrow \text{K}_2\text{CO}_3$ |
| Substanzen und Messergebnisse | Ammoniak | ≥ 25 ppm | gelb (AdS) | | | | | |
| | | ≥ 150 ppm | gelb (GS) | | | | | |
| | Diethylamine | ≥ 25 ppm | gelb (AdS) | | | | | |
| | | ≥ 150 ppm | gelb (GS) | | | | | |
| | Salzsäure (HCl) | ≥ 5 ppm | | rot (AdS) | | | | |
| | | ≥ 150 ppm | | rot (GS) | | | | |
| | Schwefelwasserstoff | ≥ 10 ppm | | | braun (AdS) | | | - |
| | | ≥ 120 ppm | | | braun (GS) | | | - |
| | | ≥ 200 ppm | | | braun (GS) | | | dunkelbraun (AdS) |
| | | ≥ 800 ppm | | | braun (GS) | | | dunkelbraun (GS) |
| | Chlor | ≥ 5 ppm | | | | gelb (AdS) | - | |
| | | ≥ 20 ppm | | | | gelb (GS) | gelb (AdS) | |
| | | ≥ 50 ppm | | | | gelb (GS) | gelb (GS) | |
| | Schwefeldioxid | ≥ 10 ppm | | | | gelb (AdS) | | |
| | | ≥ 50 ppm | | | | gelb (GS) | | |
| | Stickstoffdioxid | ≥ 5 ppm | | | | lila (GS) | gelborange (AdS) | |
| | | ≥ 30 ppm | | | | lila (GS) | gelborange (GS) | |
| | Acetylen | ≥ 200 ppm | | | | | | dunkelbraun (AdS) |
| | | ≥ 2.000 ppm | | | | | | dunkelbraun (GS) |
| | Kohlenmonoxid | ≥ 25 ppm | | | | | | dunkelbraun (AdS) |
| | | ≥ 30 ppm | | | | | | dunkelbraun (GS) |
| | Ethylen | ≥ 10.000 ppm | | | | | | dunkelbraun (AdS) |
| | Phosphin | ≥ 50 ppm | | | | | | dunkelbraun (AdS) |
| | | ≥ 700 ppm | | | | | | dunkelbraun (GS) |
| Wasserstoff | ≥ 50.000 ppm | | | | | | grau (AdS) | |
| | ≥ 100.000 ppm | | | | | | dunkelbraun (GS) | |
| Methylmercaptan | ≥ 200 ppm | | | | | | gelborange (AdS) | |
| | ≥ 1.000 ppm | | | | | | gelborange (GS) | |
| Propylen | ≥ 10.000 ppm | | | | | | grau (AdS) | |
| | ≥ 50.000 ppm | | | | | | grau (GS) | |
| Kohlendioxid | ≥ 5.000 ppm | | | | | | braun (AdS) | |
| | ≥ 20.000 ppm | | | | | | braun (GS) | |