

Technical Data - Abbemat 3X00

| Standard methods |
|---|
| AOAC 969.38, AOAC 970.15, AOAC 970.59, AOAC 976.20, AOAC 983.01, AOAC 983.17, ASTM D1218, ASTM D3321, ASTM D4095, ASTM D5006, ASTM D524, DIN 51423, ICUMSA SPS-3, ISI 06-1e, Ph. Eur. 2.2.6 - Refractive index OIV MA-AS312-01B |

| | Abbemat 3000 | Abbemat 3100 | Abbemat 3200 |
|---|--|---------------|----------------|
| Measuring ranges Refractive index scale (RI) | | | |
| Range nD | 1.30 to 1.66 | 1.30 to 1.66 | 1.30 to 1.72 |
| Resolution nD | ± 0.0001 | | |
| Accuracy nD | ± 0.0001 | | |
| Measuring ranges Brix scale | | | |
| Range | 0 to 100 % | | |
| Resolution | 0.01% | | |
| Accuracy | 0.05% | | |
| Measuring range Temperature | | | |
| Range | No temperature control | 20° C + 25 °C | 15° C to 60° C |
| Temperature probe accuracy | ± 0.05 °C | | |
| Additional information | | | |
| Wetted parts | Sapphire, FFKM, PP GF 30, stainless steel | | |
| Light source | LED light source | | |
| Wavelength | 589 nm | | |
| Minimum sample volume | approx. 0.2 mL | | |
| Measuring time | approx. 5 seconds per sample (after temp. equilibration) | | |
| Default methods | Refractive Index, Brix, glucose, fructose, invert sugar, sucrose | | |
| Additional methods | More than 200 scales available on request (e.g. syrup, honey, alcohol, urine, serum, acides, bases) | | |
| Data interface | RS-232, 2 USB ports, 1 USB serial, Ethernet Printer, Ethernet LIMS (Abbemat 3200) | | |
| User interface | 5,8" inch touchscreen | | |