

Technical Data - Abbemat Performance

Standard methods
AOAC 950.04, AOAC 921.08, AOAC 932.14, Section C, AOAC 976.20, AOAC 945.102, AOAC 898.02, AOAC 983.17, ASTM D542, ASTM D3321, AOAC 898.02, DIN 51423, OIV MA-AS2-02, Ph. Eur. 2.2.6 - Refractive index, USP 831

	Abbemat 300/350	Abbemat 500/550
Measuring ranges Refractive index scale (RI)		
Range nD	1.26 to 1.72	1.26 to 1.72
Resolution nD	± 0.00001	± 0.000001
Accuracy nD	± 0.0001	± 0.00002
Measuring ranges Brix scale		
Range	0 to 100 %	0 to 100 %
Resolution	0.01%	0.00%
Accuracy	0.05%	0.02%
Measuring range Temperature		
Range	4 to 85 °C	4 to 85 °C
Temperature probe accuracy	± 0.05 °C	± 0.03 °C
Temperature probe stability	± 0.002 °C	± 0.002 °C
Additional information		
Wetted parts	FFKM, PP GF 30, stainless steel Sapphire	
Light source	LED light source, average lifetime > 100,000 h	
Wavelength	589 nm	
Minimum sample amount	approx. 0.2 mL	
Measuring time	5 seconds per sample (after temp. equilibration)	
Scales/methods	Sugar scales, syrup and honey scales, alcohol scales, urine scales, serum scales, more than 70 scales available	
Interfaces	RS-232, CAN-bus, 3 USB ports Ethernet and VGA connector (Performance Plus line only)	
Dimensions (W x H x D)	300 mm x 145 mm x 330 mm (11.8 in x 5.7 in x 13 in)	
Weight	6.5 kg (14.3 lb)	