

Specification of devices	Dumalyzer N / Protein	Dumalyzer CN	Dumalyzer CHNS-O
Analytical Data			
Type of Samples	Liquid or solid substances suspended in tin or silver capsules		
Sample Weight	0.5 mg - 1 g depending on the organic matter content		0.05 mg - 50 mg samples with low content of organic substances up to 300 mg
Detection Limits	N 0,01 mg - 50 mg Protein 0,05 - 100 %	N 0,01 mg - 50 mg C 0,02 mg - 100 mg	N 0.002-20 mg C 0.002-20 mg H 0.002-5 mg S 0.002-6 mg O 0.002-2 mg
Measurement accuracy	< 0,3 % abs. with 150 mg test substance (EDTA)		<0,2 % * with 10 mg certified standard, purity >99,9% *depending on the type and homogeneity of the substance samples
Analysis time	nitrogen - 3 ÷ 4 minutes, depending on the weight and type of sample	nitrogen - 3 ÷ 4 minutes, carbon - 9 ÷ 12 minutes, depending on the weight and type of sample	CHNS-O - 3 ÷ 15 min, depending on the mass and type of the analyzed substance, as well as on the selected analysis mode
Measurement modes	N	CN / N	CHNS / CNS / CHN / CN / N / O