

MEASUREMENT PROTOCOL

Chashniki Fertilizer Plant LLC presented two samples:

1. Potassium humate from sapropel (Lake Zherinskoye) of natural moisture content. Cavitation treatment pH=12 (express method); 2. Sapropel (Lake Zherinskoye) of natural moisture content after cavitation treatment pH=7.8 (express method) to determine the actual value of quality indicators.

The measurement results are shown in the table.

Table 1-MEASUREMENT RESULTS

Item No.	Name of the substance or indicator being determined	Unit of measurement	The actual value of the determined substance, indicator	
			1	2
1	Mass fraction of dry matter	% g/l	4.99 49.90	3.75 37.50
2	Mass fraction of humic acids per preparation	% of dry matter % of the drug g/l	21.94 1.10 11:00	20.21 0.76 7.6
3	Mass fraction of fulvic acids per preparation	% of dry matter % of the drug g/l	9.54 0.48 4.80	5.45 0.20 2.00
4	Mass fraction of mechanical impurities	%	2.70	3.33

TECHNICAL REGULATORY LEGAL ACTS, MEASUREMENT METHODS, ESTABLISHING MEASUREMENT METHODS

Item No.	Name of the substance or indicator being determined	Document title
1	Mass fraction of dry matter	GOST 26713-85 -Organic Fertilizers. Method for Determining Moisture and Dry Residue
2	Mass fraction of mechanical impurities	STB 2392-2014 p. 5.5 Liquid humic preparations. General technical requirements and control methods
3	Mass share humic acids in the preparation	The determination method is given in: Basic properties of peat and methods of their determination / I.I. Lishtvan, N.T. Korol.-Minsk: Science and Technology, 1975. - P.232-240
4	Mass share fulvic acids in the preparation	

Research Fellow

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