

ISO 18645:2016-03 (E)

Fertilizers and soil conditioners - Water soluble fertilizer - General requirements

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Requirement	2
4	Test method	3
4.1	Visual inspection for foreign matter	3
4.2	Determination of nitrogen, phosphorus and potassium contents	3
4.3	Determination of calcium, magnesium and sulphur contents	3
4.4	Determination of molybdenum, boron and manganese, zinc, copper and iron contents	4
4.5	Determination of the chelated fraction of micro-nutrients	4
4.6	Determination of the mass fraction of water insoluble matter	4
4.6.1	Principle	4
4.6.2	Reagents and materials	4
4.6.3	Apparatus	4
4.6.4	Ambient temperature controlled at (20 ± 10) °C	4
4.6.5	Test procedure	4
4.6.6	Calculation of the test result	5
4.6.7	Tolerance	5
4.7	Determination of the pH value	5
4.8	Determination of arsenic, cadmium, lead, chromium and mercury contents	5
4.9	Determination of biuret content	5
4.10	Determination of mass fraction of chloride	5
5	Sampling and preparation of test sample	5
5.1	Sampling method	5
5.1.1	Products in bags	5
5.1.2	Products in bulk	5
5.2	Reduction of samples	6
5.3	Test sample preparation	6
6	Marking and labelling	6
7	Package, transport and storage	7
Bibliography		8