



Name of the object	Name of tests and characteristics to be determined
Cereals, grains, legumes	<b>Physical and chemical tests</b>
	Moisture content determination
	Determination of nitrogen and crude protein content
	Definition of starch
	Determination of quality indicators by infrared spectroscopy
	Grain-unit
	Thousand seeds weight test
	Vitreousness test
	Falling Number test
	Determination of grain filminess
Wheat flour	Determination of total and fractional content of impurities and grain impurities
	Determination of crude gluten by mechanical means
	Determination of the quantity and quality of gluten in wheat
	<b>Physical and chemical tests</b>
	Moisture content determination
	Determination of nitrogen and crude protein content
	Falling Number test
	Determination of water absorption and rheological properties using a farinograph
	Determination of rheological properties using an alveograph
	Determination of gluten quantity and quality
	Determination of crude protein by mechanical means



# LABORATORY OF QUALITY INDICATORS OF PLANT VARIETIES

## UKRAINIAN INSTITUTE FOR PLANT VARIETY EXAMINATION

Name of the object	Name of tests and characteristics to be determined
	<b>Physical and chemical tests</b>
	Determination of moisture content
	Determination of oil content by extraction method
	Determination of waste and oil impurities
	Determination of quality indicators by infrared spectroscopy
Oil crops and products of their processing	Determination of husk content
	<b>Chromatographic tests</b>
	Gas chromatography
	Determination of fatty acid composition
	Definition of erucic acid
	<b>Nuclear magnetic resonance (NMR)</b>
	Determination of oil content
Seeds, meal and meal of cruciferous crops	<b>Physical and chemical tests</b>
	Determination of glucosinolates
Plant material	<b>GMO analysis</b>
	<b>DNA detection</b>
	Qualitative detection of genetically modified organisms in plant material
Seeds of agricultural crops: cereals, legumes, oilseeds, industrial crops, vegetables, melons, fodder crops	<b>Sowing qualities</b>
	Determination of seed purity and waste
	Determination of seed germination similarity and energy
	Determining seed moisture content
	Thousand seeds weight test

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