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**Wood charcoal and test method of wood
charcoal**

木炭和木炭试验方法

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Foreword

For the industry, wood charcoal is used in crystal silicon, activated carbon, non-ferrous smelting, alloy and other industries. The Standard is formulated in order to promote enterprise technology and management level

Test conditions and test procedures specified in the Standard is used to guarantee accuracy and comparability of test results for each technical indicator of wood charcoal.

The standard is put forward by the original Forestry Department of the People's Republic of China.

The Standard is under the jurisdiction of Institute of Chemical Industry of forest Product, Chinese Academy of Forestry.

This Standard is drafted by: Institute of Chemical Industry of forest Product, Chinese Academy of Forestry.

The main drafter of this Standard: Deng Xianlun, Gong Jianping, Chen Junzhen.

National Standard of the People's Republic of China

Wood charcoal and test method of wood charcoal

1 Scope

This standard formulated classification, requirements, test methods, inspection regulations and sign, packing, transportation, storage methods.

The Standard applies to wood charcoal fired using wood as raw material. For the industry, wood charcoal is used in crystal silicon, carbon disulfide, activated carbon, non-ferrous smelting, alloy and other industries.

2 Definition

The following definitions are used in this Standard.

2.1 Hard broadleaved charcoal

Wood charcoal fired using mixed wood of broadleaved wood birch wood.

2.2 Broadleaved charcoal

Wood charcoal fired using mixed wood of hard broadleaf and soft broadleaf.

2.3 Coniferous charcoal

Wood charcoal fired using pine or softwood.

3 Technical requirements

3.1 Appearance: Black irregular lump rod-like solid.

3.2 Wood charcoal quality shall meet the requirements of Table 1.

Table 1 Quality indicator of wood charcoal

%

Items	Hard broadleaved charcoal			Broadleaved charcoal			Coniferous charcoal		
	Superior grade	Grade 1	Qualified product	Superior grade	Grade 1	Qualified product	Superior grade	Grade 1	Qualified product
Total moisture \leq	7	7	10	7	10	12	7	10	12
Ash \leq	2.5	3.0	3.5	3.0	4.0	5.0	2.0	2.5	3.0
Fixed carbon \geq	85	80	75	78	73	65	75	70	65
Particles with size of less than 10mm \leq	5	5	6	6	8	10	6	8	10
Charcoal head and impurities \leq	1	3	3	1	3	5	1	3	5

Note: When it is necessary to specify mixed or a single wood assortment, the both Parties may make decisions through additional agreement.

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