

TECHNICAL INFORMATION

Powdered Activated Carbon SHIRASAGI T1W50

“SHIRASAGI T1W50” is a sawdust based powdered activated carbon. It is activated by zinc chloride through the highly heated furnace.

APPLICATION:

- Purification of food stuffs such as sugar, glucose, MSG, etc.

STANDARD SPECIFICATIONS (AS PACKED):

<i>Item</i>	<i>Spec.</i>	<i>Testing Method</i>
Loss on drying (%)	45.0 - 50.0	JIS K1474
Iodine Number mg/g	850 <	ASTM D 4607-94
Water soluble materials (%)	< 1	ASTM D 5029
Zinc (%)	< 0.03	EN 12902-2004
Apparent Density g/cm ³	0.25 – 0.50	ASTM D 2854-96
pH	6.0 – 8.0	ASTM D 3838-80
Total Ash (%)	< 10	ASTM D 2866-94
Total Sulphides Mg/kg	< 10	EPA 376.2 or EPA SW 9031
Particle size distribution	Not more than 1% retained on 45 μ m and not more than 5% under 5 μ m	
Specific filtration rate (mg/g)	20 - 50	JEC Method

The Japanese Standards for Food Additives: Conforms.

PACKING:

- 15 kg net weight paper bag.

HANDLING PRECAUTION:

Wet activated carbon significantly lowers oxygen levels by removing oxygen from air, which causes a severe hazard to workers inside activated carbon vessels and enclosed or confined spaces. Before entering such areas, work procedures for low oxygen levels should be taken to ensure ample oxygen availability according to all local, state, and federal regulations.

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