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JAPANESE INDUSTRIAL STANDARD

Desiccants, Activated for Industrial Dehumidification

JIS K 1464 – 1962

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JAPANESE INDUSTRIAL STANDARD

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Desiccants, Activated for Industrial Dehumidification

K 1464-1962

1. Scope

This standard specifies activated desiccants used for industrial purposes, hereinafter referred to as the "desiccants". The desiccants for packaging use specified in JIS Z 0701, however, are excluded from the scope of this standard.

2. Characteristics

The desiccants shall not be injurious to human body, not decompose nor evolve poisonous gas when in use and not be nondeliquescent.

3. Quality Requirements

The desiccant shall conform to the requirements specified in Table 1, when tested by the methods prescribed in 6.

Table 1

Adsorption strength mg/ℓ		0.2 Max
Adsorption capacity %	Relative humidity 10 %	2.0 Min
	Relative humidity 50 %	6.0 Min
	Relative humidity 90 %	15.0 Min
Particle strength %		3.5 Max
Specific resistance Ω cm		1×10^3 Min

4. Method of Sampling

The method of sampling shall be decided by the agreement between persons concerned.

5. Test Items

5.1 For General Tests Adsorption strength, adsorption capacity, particle strength, and specific resistance.

5.2 For Special Tests Water content, water resisting property, filling density and grain size.

6. Method of Test

6.1 Measurement of Adsorption Strength (See Figs. 1 ~ 3.) Prepare the test sample ([1]), which is previously crushed, in such a manner as to pass through a standard sieve 3360 μ and retaining on a sieve 1410 μ, both specified

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