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## **SPECIFICATION**

TC 01.01/D1 - 2006

### **KAOLIN - grade D1**

#### **1. CHEMICAL CONTENTS, %**

**/XRF, AES – ICP/**

Al <sub>2</sub> O <sub>3</sub>	34.50 ± 1.50
Fe <sub>2</sub> O <sub>3</sub>	0.60 ± 0.10
TiO <sub>2</sub>	0.30 ± 0.05
SiO <sub>2</sub>	50.00 ± 2.00
CaO	0.15 ± 0.05
MgO	0.25 ± 0.05
K <sub>2</sub> O	0.90 ± 0.20
Na <sub>2</sub> O	0.15 ± 0.05
Loss of ignition	12.00 ± 0.60

#### **2. PARTICLE SIZE, %**

**/SediGraph 5100/**

> 56µm	max. 0.1
> 10µm	max. 5.0
< 5µm	86.0 ± 3.0
< 2µm	65.0 ± 3.0

#### **3. MECHANICAL BENDING STRENGTH OF PLASTIC BODY AT 110°C, kg/cm<sup>2</sup>**

**/Netzsch 401 - 3/**

min. 7.5

#### **4. MOISTURE, %**

12.0 ± 2.0