

DATA SHEET

PROMISIL AA-6P

Silica for the Food Industry

Chemical formula	SiO ₂
Function	Anti-caking agent, carrier agent, processing aid and anti-humectant
Characteristic	Amorphous precipitated silica (SiO ₂)
Appearance	White volatile powder
Presentation	Powder packed in a 18 Kg kraft paper bag
CAS No	112926-00-8

DISTRIBUTION METHOD

Producer to consumer.

DESCRIPTION

It is a food grade additive mainly used as an anti-caking agent that helps preserve the texture by preventing the powder from caking due to the presence of moisture. It improves the free flowing properties of powders making it easier to handle, transport and store.

ANALYSIS	SPECIFICATION	UNITS
Purity ¹⁾	≥ 98	%
Apparent density	0.10 - 0.14	g/mL
Compacted density	0.14 - 0.20	g/mL
Humidity at 105°C/ 2hr max.	7	%
pH 5%	6.5 - 7.5	-
Linseed oil absorption (dry basis)	190 - 210	mL/100 g
DBP oil absorption	260-275	g/100g
DOP oil absorption	310-330	mL/100g
DOA oil absorption ²⁾	220 - 270	mL/100g
Particle size, d50 laser diffraction ³⁾	14 - 18	µm
Specific surface area, BET ⁴⁾	170 - 210	m ² /g
Retained in mesh 325 max.	12	%
Sodium sulfate (Na ₂ SO ₄)	≤ 2	%
Loss on ignition	≤ 8.5	%
Fungi and yeasts	≤ 500	UFC/g
Aerobic mesophiles	≤ 500	UFC/g
Total coliforms	≤10	UFC/g
<i>Escherichia coli</i>	≤10	UFC/g
<i>Salmonella sp.</i>	≤10	UFC/g
Lead (Pb)	≤3	ppm
Cadmium (Cd)	≤1	ppm
Arsenic (As)	≤1	ppm
Mercury (Hg)	≤1	ppm

1) SiO₂ content ISO 3262-19;

2) Internal method following ISO 19246;

3) ISO 13320-1;

4) ISO 9277.

STORAGE

The product must be stored at room temperature, in a dry place and protected from moisture. Once the bag is opened, it is advisable to protect it to avoid contamination.

After its full use, we recommend carrying out the destruction of the kraft paper bag to avoid fraudulent and malicious act.

LIFE OF ANAQUEL

2 years, complying with the specified storage conditions. Subsequently, it is subjected to re-evaluation.

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