



Quality control test for AM21 Sponge-cloth

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Introduction:

The sponge-cloth referenced AM21 is tested on a regular basis by the quality control laboratory of the Malgrat Plant (Spain) where the product is manufactured.

These test are intended to verify that the product meets the quality requirements requested by the customers.

Tests done:

Two tests are carried out: water absorption and tensile strength at break.

The water absorption is determined by measuring the maximum amount of water absorbed by a dry sponge-cloth. This amount is compared to the dry weight of the sponge-cloth and expressed in g of water per g of dry sponge-cloth.

The tensile strength at break is the measurement of the strength needed to break a sample of sponge-cloth divided by the width of the sample and expressed in N per cm.

Results:

The following results were obtained during year 2023:

	Absorption	Tensile strength
Unit	g H2O / g dry weight	N/cm
method	MET-CO-021	MET-CO-025
Moyenne	16,6	1,9
SD	1,6	0,3
Nb mesure	324	60
Specification	>13	>1



The following results were obtained during year 2024, from January to June :

	Absorption	Tensile strength
Unit	g H2O / g dry weight	N/cm
method	MET-CO-021	MET-CO-025
Moyenne	17,7	2,1
SD	1,7	0,5
Nb mesure	132	24
Specification	>13	>1

Conclusion:

The sponge cloth AM21 meets the requirement of the specifications.