

## TECHNICAL DATA SHEET

## NALTIVE TARA T

<b>Content</b>	Tara gum E 417
<b>Legal position</b>	Regulations 231/2012/EC, 1333/2008/EC, FCC, JECFA
<b>Maximum storage</b>	2 years
<b>Standard packaging</b>	Net 25 kg paper bags with inner polyethylene liner
<b>Storage conditions</b>	Keep closed in cool and dry place in original intact packaging

## MATERIAL CHARACTERISTICS

### Physical and chemical data

Analysis	Methods	Specifications
Color of the powder	Visual	WHITE TO CREAM
pH of 1% solution	Eur.Ph	$4.5 \leq X \leq 7$
Viscosity 1% (mPa.s)	Anton Paar 20 rpm after 1H 1% w/w 25°C	$\geq 3200$ mPa.s
Hot viscosity of 1% solution (mPa.s)	Anton Paar 20 rpm 1% w/w 25°C	$\geq 4200$ mPa.s
Total ashes (%)	Eur.PH	$\leq 1,5\%$
Acid insoluble matters* (%)	ASU-L-53.00-4;1996-02	$\leq 2\%$
Galactomannan* (%)	Enzymatic test	$\geq 75\%$
Moisture (%)	IR 130°C	$\leq 12,0\%$
Proteins* (%)	ASU L06.00-7	$\leq 3,5\%$
Mesh size through 75 $\mu$ m (%)	Vacuum sieving	$\leq 65\%$
Starch*	VO(EG) 152-2009 III L	Passes test
Residual solvents*	GC/FID	Passes test

### Heavy metals

Analysis	Methods	Specifications
Lead* (ppm)	ICP -OES/ICP-MS	$\leq 2$ ppm
Arsenic* (ppm)	ICP -OES/ICP-MS	$\leq 3$ ppm
Mercury* (ppm)	ICP -OES/ICP-MS	$\leq 1$ ppm
Cadmium* (ppm)	ICP -OES/ICP-MS	$\leq 1$ ppm
Total heavy metal* (ppm)	ICP -OES/ICP-MS	$\leq 20$ ppm

### Microbiological

Analysis	Methods	Specifications
Total plate count (CFU per g)	ISO 4833-1	$\leq 5000/g$
Yeast and molds (CFU per g)	ISO 21527	$\leq 500/g$
E.coli	NF ISO 4831	ABS/g
Salmonella	NF EN ISO 6579-1	ABS/25g

\* tested 1/year (product of the same grade)

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