

# Chios Mastiha (Gum Mastic)

*Date of issue: 24.02.2021*

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## Certificate of Analysis

Manufacturer/Supplier: CHIOS GUM MASTIC GROWERS ASS.  
Contact Person: Ioannis Benovias  
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<b>PRODUCT</b>	"Chios Mastiha" is the air-dried, resinous exudation from P. Lentiscus L. (Family Anacardiaceae), a shrub of small evergreen tree that is native to the Mediterranean region and principally cultivated on the Greek island of Chios. Chios Gum Mastic is <b><u>100% natural product</u></b> and does not contain any harmful substance or any additives.
<b>PRODUCT CODE</b>	<b>MAS-0008</b>
<b>BATCH No.</b>	555271
<b>ORDER DATE</b>	-
<b>PURCHASE ORDER No.</b>	-
<b>INVOICE</b>	-
<b>QUANTITY</b>	-
<b>COUNTRY OF ORIGIN</b>	GREECE
<b>BEST BEFORE</b>	02/2024
<b>MASTIHA FDA NO</b>	12856717798
<b>CUSTOMER</b>	Mediterra



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Τ.Θ. 110, ΧΙΟΣ 82100  
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FAX: +30 22710 26700  
VAT: EL 096000437

Lot No 555271

### **Typical Composition**

Mastic gum : 100 %

**CAS Name:** Mastic Gum

**CAS Number:** 061789-92-2

### **Identification Method (Mastic)**

The starting material used to produce this product is identified according to the current Ph. Eur. monograph for Mastic by a lab authorized by the Greek Organization of Medicine.

	Method of analysis	Specification Limits / results
Identification	TLC	Appearance of six coloured zones according to Ph. Eur.
DNA test	DNA Analysis for the identification of the species in gum samples	Correspondence to the trnL region of Pistacia Lentiscus according to NCBI database
Quantification of Masticdienonic (M) and Isomasticdienonic acid (ISO)	HPTLC	>12%

### **Microbiological Parameters**

	Method of analysis	Specification Limits	Batch Values
Total Aerobic Microbial Count	European Pharmacopoeia 9/2.6.12	< 1000 cfu/g	conforms
Total Yeast and Mould Count	European Pharmacopoeia 9/2.6.12	< 100 cfu/g	conforms
E-Coli	European Pharmacopoeia 9/2.6.13	Absent in 1g	conforms
Staphylococcus aureus	European Pharmacopoeia 9/2.6.13	Absent in 1g	conforms
Salmonella spp.	European Pharmacopoeia 9/2.6.13	Absent in 10g	conforms
Enterobacteria	European Pharmacopoeia 9/2.6.13	< 100cfu/g	conforms





ΕΝΩΣΗ  
ΜΑΣΤΙΧΟΠΑΡΑΓΩΓΩΝ ΧΙΟΥ  
THE CHIOS GUM MASTIC  
GROWERS ASSOCIATION

### Heavy metals

	Method of analysis	Specification Limits	Batch Values
Cadmium	MTD Me.21	<0.05 ppm	<0.05
Lead	MTD Me.21	<0.2 ppm	<0.2
Mercury	MTD Me.31	<0.1 ppm	<0.1
Arsenic	MTD Me.41	<0.05 ppm	<0.05

### Agrochemicals – agricultural drugs

The starting material used to produce this product is tested for pesticide residues on batch basis and complies with the general requirements of Ph. Eur. for Pesticide Residues

	Method of analysis	Specification Limits	Batch Values
Drugs in Page2,mg/kg	GC & LC – MS/MS	<0.05	<0.05
Dithiocarbamates, mg CS <sub>2</sub> /kg	MTD pest.100	<0.2	<0.2

(\*)The product is compliant with the requirements of the current Ph. Eur. Monograph for Pesticide Residues.

**When a parameter is not mentioned or when no result is entered for a parameter, CHIOS MASTIHA GROWERS ASSOCIATION certifies that the product contained in this shipment meets and conforms to all requirements of the agreed specification.**

**Ioannis Benovias**  
Chemist M.Sc  
QUALITY DPT.

This product corresponds with the regulations of the European food legislations. This specification is carefully drawn up and represents our current knowledge. However, we are not liable for any damage resulting from wilful acts or gross negligence. We guarantee therefore a proper quality within our general conditions of sales.



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