



LAB N° 0185

LABORATORI ANALISI RICERCHE AMBIENTALI

# Test Report n. 22163/1

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Customer: **EMMERRE S.r.l. - Via Raspini n° 2 - 10036 SETTIMO TORINESE (TO)**

Sample container: Plastic bag

Number of sampling units: 01

Type of sample: disk brake pad

Description on the label (if existent): TECHNOBRAKE 960944 - (Cod. Emmerre), (29087 Cod. WVA)

Sample collection: sampled by the customer

Condition of the seal (if existent): ---

Counter sample: not requested - the unused portion is returned to the customer

Date of reception of the sample in the Laboratory: May 15, 2013; delivered by the customer's representative

Date of acceptance of the sample: May 15, 2013

Parameter	Test Method	Units	Results	Test Date
Antimony (as Sb)	UNI EN 13657:2004 + UNI EN ISO 11885:2009	mg/kg	0,692	May 07, 2013
Lead (as Pb)	UNI EN 13657:2004 + UNI EN ISO 11885:2009	mg/kg	0,674	May 07, 2013
Asbestos	CNR IRSA App III Q 64 Vol 3 1996	---	absent	May 07÷09, 2013

Attachments: ---

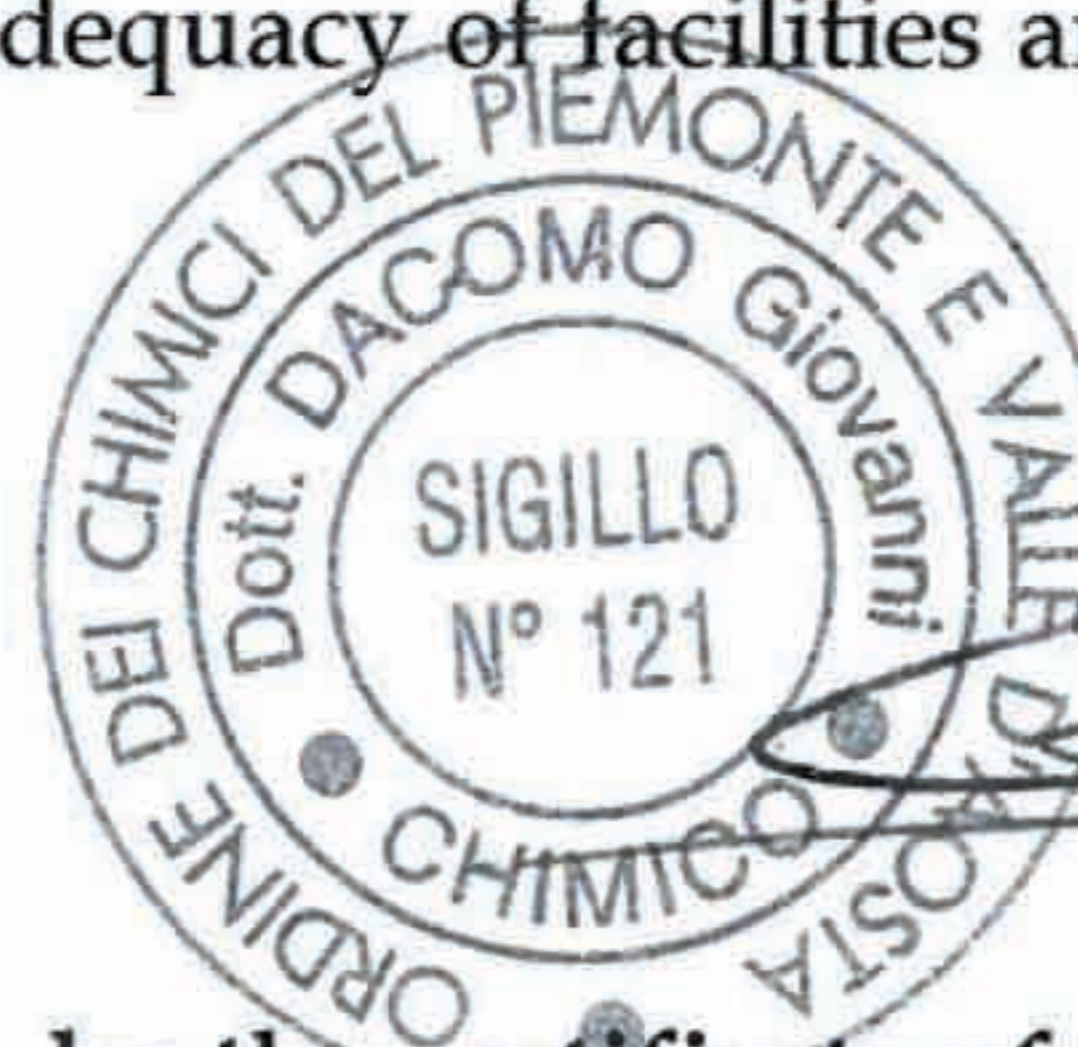
This Test Report is referred exclusively to the examined sample.

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Nichelino, May 20, 2013

Director of the Laboratory  
Dr. Giovanni DACOMO

Note: The following information is provided by the Client, by the certificate of the Italian Transport Ministry (CPA - Torino):

TECHNOBRAKE Code 960944-960971 - WVA Code 29087 - Approval Code E3 R 90-01101/001 Est 02

SHEAR STRENGTH Test Method: (5.3.2.1. ECE Regulation No. 90 - Standard ISO 6312:2001)

Results: Required >250 N/cm<sup>2</sup> - Value 550,7 N/cm<sup>2</sup>

COLD COMPRESSIBILITY Test method: (5.3.2.2. ECE Regulation No. 90 - Standard ISO 6310:2001)

Results: Required &lt; 2% - Value 0,34%

HOT COMPRESSIBILITY Test method: (5.3.2.2. ECE Regulation No. 90 - Standard ISO 6310:2001)

Results: Required &lt; 5% - Value 0,51%

FRICTION BEHAVIOUR Test method: (Annex 9 of ECE Regulation No. 90 - By Machine Testing)

Results: Value:  $\mu_{op1}=0,45$   $\mu_{op2}=0,47$   $\mu_{max}=0,58$   $\mu_{min}=0,39$