



Direction Industrielle – Clients Industriels

Centre de Technologie et d'Expertises

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TEST REPORT No. 2005/OL 047

TEST ORDER: OB5464

DESCRIPTION OF TESTS:

**Autogenous Ignition Test with oxygen on
Surfactant BIOMEX Industry
according to EN ISO 11114-3 Standard**

Applicant: Air Liquide / Ingénierie - Mr Colson
57 Avenue Carnot - BP 313
94503 Champigny sur Marne - France

The Head of Center
Fabien WILLOT

Technical Manager: Jean-Paul Schaaff
Technician (s): Olivier Longuet

Emission date: March 10th, 2005

This report includes 3 pages

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Accréditation n° 1-0860
Hors Programme Gaz

**AIR LIQUIDE****C.T.E.**Rapport d'essais
N° 2005/OL 047Autogenous Ignition Test with oxygen on
Surfactant BIOMEX Industry
according to EN ISO 11114-3 StandardDate : March 10th, 2005

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SPONTANEOUS IGNITION TEST

Data sheet # :	5464
Test date :	04-mars-05
Request # :	OB 5464

Request by : *Air Liquide Ingenierie / M. Colson*

Material :	<i>BIOMEX Industry</i>
Function :	<i>Surfactant</i>
Supplier :	<i>Diamond Cleaning Products</i>
Country :	<i>France</i>
Date of reception :	<i>02-mars-05</i>

Conditions of use	O ₂
Condition, shape, appearance :	<i>Clear liquid</i>
Assumed composition :	

Test conditions	O ₂
Standard applied :	<i>EN ISO 11114-3</i>
Weight of sample (g) :	<i>0,453 ± 0,004</i>

RESULTS

<i>Pressure in bar</i>	<i>Temperature in °C</i>
<i>Start</i>	<i>Start</i>
<i>120,5</i>	<i>(*)</i>
<i>Peak</i>	<i>Peak</i>
	<i>(*)</i>
<i>difference dP</i>	<i>difference dT</i>
	<i>(*)</i>

OBSERVATIONS

(*) Auto ignition no detected
HOT WIRE: No reaction before 1200°C

COMMENTS

Auto ignition no detected at 120 bar to 500°C.
Sample tested after evaporation

Authorized Manager

JP.Schaaff

Operator

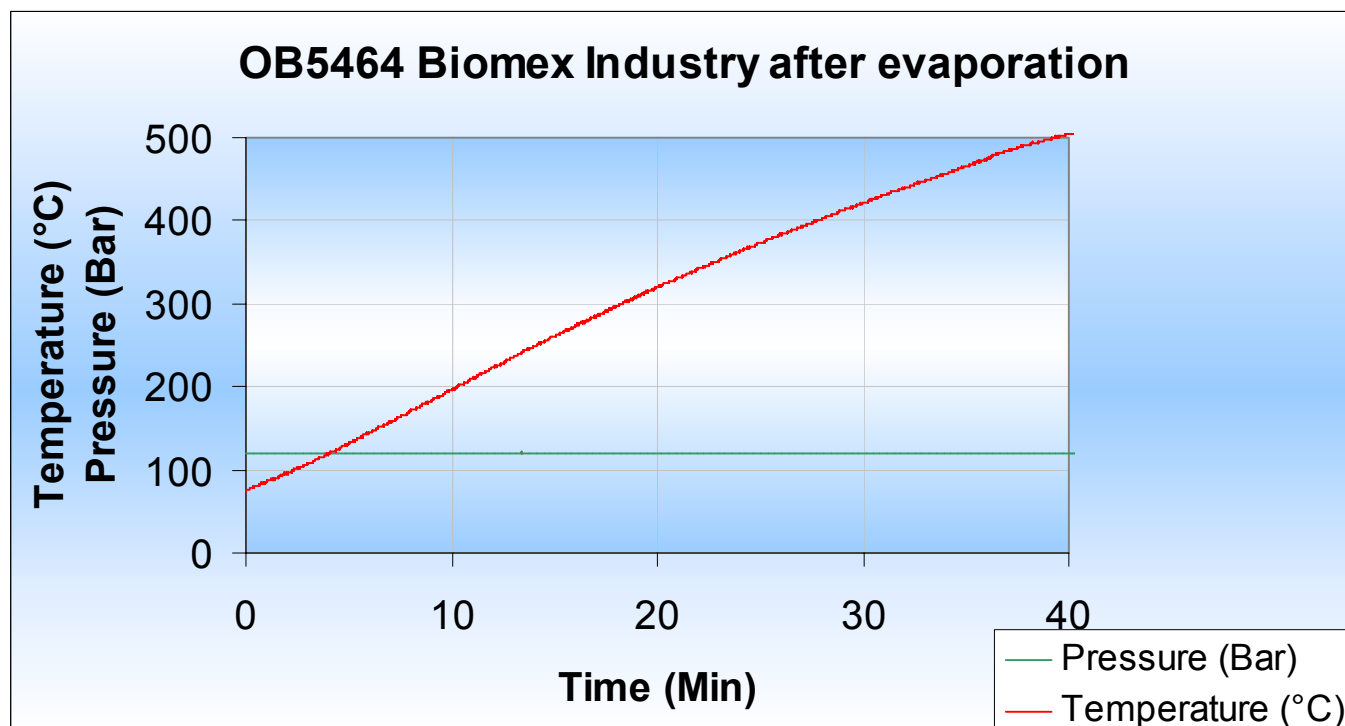
O. Longuet

AIR LIQUIDE

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CENTRE DE TECHNOLOGIE ET D'EXPERTISES - LE BLANC MESNIL



NOTA BENE : Ce rapport d'essais ne concerne que les échantillons qui ont été soumis aux essais.