DOCUMENT Nº: 2012116920121415 DATE: 2012-06-01 PÁGE 1/3

TEST PERFORMED:

Determination of Baridade Specimens of Bituminous
NPEN Portuguese Standard 12697/2003: Part 6 + A1: 2010

SAMPLE REFERENCE:

Sample submitted by requerente.Pavimento Aquastone

DATE OF RECEIPT OF SAMPLE:
2012-05-23

CLIENT :

ACORUS - Engenharia,Lda
Rua Central de Mandim, S/n
4475 023 Maia

OBRA :

Acorus - Engenharia,Lda

NOTES:
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A . General carachteristics

Teste date	2012-06-01
Méthod performed	Método D
Sample reference	Pavimento aquastone

B A, B D

	Speciments reference	1	2	3	4	---	---
	Form	Cylinder	Cylinder	Cylinder	Cylinder	---	---
	Preparation	Moldado	Moldado	Moldado	Moldado	---	---
	Rectification	---	---	---	---	---	---
	T - water temperature weighing time (ºC)	---	---	---	---	---	---
-	Massa volúmica da água à temperatura T (kg/m³)	---	---	---	---	---	---

C . Mass of test pieces

m_1-	Mass of test pieces dry (g)	907,3	907,9	883,6	896,4	---	---
m_{2i}-	Mass of specimen immersed in water has stabilized M2i-water immediately after (g)	---	---	---	---	---	---
m_2-	Mass of specimen in water after saturation of specimen (g)	---	---	---	---	---	---
m_3-	Mass of the sample saturated with dry surface (g)	---	---	---	---	---	---

D . Dimensões dos provetes

h-	Height (mm)	64,4	64,5	63,6	63,3	---	---
d-	Diameter (mm)	102,3	102,3	102,1	102,3	---	---
l-	Lenght (mm)	---	---	---	---	---	---
w-	Width (mm)	---	---	---	---	---	---

RELATÓRIO DE ENSAIO

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E . Baridades

E1. Method A

	Speciment reference		---	---	---	---	---	---
	Speciment Baridade $=(m_1/(m_1-m_{2i}))*$	(kg/m³)	---	---	---	---	---	---
ρ_{bdry}	Baridade da mistura = valor médio	(kg/m³)	---					

E2. Method B

	Speciments reference		---	---	---	---	---	---
	Water absorption of specimens $=((m_3-m_1)/m_1)*100$	(%)	---	---	---	---	---	---
	Speciment Baridade $=(m_1/(m_3-m_2))*$	(kg/m³)	---	---	---	---	---	---
ρ_{bssd}	Baridade of mix = medium value	(kg/m³)	---					

E3. Method D

dos provetes	Speciment reference		1	2	3	4	---	---
V_c	Cylinder Volume=(/4)*h*d²	(mm³)	529330,6	530152,6	520713,1	520289,3	---	---
V_p	P Volume=h*l*w	(mm³)	---	---	---	---	---	---
	Baridade geométrica do cilindro $=(m_1/V_c)*10^6$	(kg/m³)	1714	1713	1697	1723	---	---
$\rho_{b,dim,c}$	Baridade geometric mean value of the cylinder	(kg/m³)	1712					
	prisma $=(m_1/V_p)*10^6$	(kg/m³)	---	---	---	---	---	---
		(kg/m³)	---					