

SUBJECT: Insole tests

REQUESTED BY: LABORATORIOS DIAFARM, S.A.

REPORT No: R-14103811

I. SAMPLES:

a. Reference: NOENE[®] ANTI-STATIC INSOLES

II. TESTS REQUESTED:

- ABRASION RESISTANCE (UNE-EN ISO 20344:2012, 6.12)
- WATER ABSORPTION AND ELIMINATION (UNE-EN ISO 20344:2012, 7.2)
- ELECTRICAL RESISTANCE (UNE-EN ISO 20344:2012, 5.10)
- ELECTRICAL RESISTANCE (UNE-EN ISO 61340-4-3:2005)

III. RESULTS:

The results obtained are shown in the table below:

TEST		RESULTS		REFERENCE VALUE
ABRASION RES.	Dry		Dry	
	No. of turns	25,600	12,800	25,600
	Appearance	No tearing		No tearing
WATER ABSORPTION		---(1)		Min.: 70
mg/cm ²				
WATER ELIMINATION		---(1)		Min.: 80
%				
ELECTRICAL RES.	kΩ			
	30% RH	0.08		
	85% RH	0.09		100-1x10 ⁶
ELECTRICAL RES. ⁽²⁾				
kΩ	50% RH	0.004		100-1x10 ⁵

NB: Electrical resistance reference values are for full shoe.

(1) The insole is considered permeable, as water passed through within 60 seconds, therefore there is no need to run the test.

(2) Under environmental class 3 conditions, that is, 23°C and 50% RH.