



INNOVATIVE SOLUTIONS FOR CRITICAL ENVIRONMENTS

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CERTIFICATE OF ANALYSIS

Part Number:	VTPNW-2144
Product Type:	Polyester Wiper
Edge Treatment:	Cold Knife Cut
Lot Number:	231225-100853
Sample Received Date:	02-16-2024
Manufacturing Date:	12-25-2023
Test Date:	01-14-2024

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Physical Properties

Test	Method	Specification	Actual	Result
Dimensions	Tape Measure	21" x 44" ($\pm 1.0"$)	21 x 44	Pass
Basic Weight	TAPPI T-410	135 $\pm$ 5 g/m ²	145	Pass

Absorbency

Test	Method	Specification	Actual	Result
Sorptive Efficiency	IENT-RP.CC004.3	Min. 2 ml/g	2.2	Pass
Sorptive Capacity	IENT-RP.CC004.3	Min. 310 ml/m ²	356	Pass
Sorptive Rate	IENT-RP.CC004.3	< 1 sec	0.5	Pass

Cleanliness

Test	Method	Specification	Actual	Result
LPC ($\geq 0.5\mu\text{m}$)	IENT-RP.CC004.3	< 11 x 10 ⁶ particles/m ²	5.46	Pass
TNVR - IPA	IENT-RP.CC004.3	Max. 0.1 g/m ²	0.060	Pass
TNVR – DI H2O	IENT-RP.CC004.3	Max. 0.02 g/m ²	0.007	Pass

Extractables

Test Method: IEST-RP.CC004.3

Ions	Specification	Actual	Result
Sodium	Max. 0.2 ppm	0.018	Pass
Potassium	Max. 0.2 ppm	0.020	Pass
Calcium	Max. 0.5 ppm	0.015	Pass
Magnesium	Max. 0.2 ppm	0.075	Pass
Ammonium	Max. 0.3 ppm	0.040	Pass
Nitrate	Max. 0.3 ppm	0.074	Pass
Fluoride	Max. 0.2 ppm	0.087	Pass
Nitrite	Max. 0.2 ppm	ND	Pass
Bromide	Max. 0.2 ppm	ND	Pass
Phosphate	Max. 0.3 ppm	ND	Pass
Chloride	Max. 0.2 ppm	0.070	Pass
Sulphate	Max. 0.2 ppm	ND	Pass

Fourier Transform Infra-Red Test

FTIR	Method	Specification	Actual	Result
Silicone, Amide & DOP	IEST-RP.CC004-3	Absent	Absent	

Notes:



Tested by:
Renugaa Krishnan
 Laboratory Coordinator



Approved by:
Vijendraan Venkitasalam
 Quality Manager