MNA LABORATORIES
TEST REPORT

Report No : M-2020-00251	Date: 07.09.2020	Page: 1 / 2	Rev:

Purpose of Analysis	: SPECIAL REQUEST	**Brand**	: VIROUT MASK
Sample Type	: PROTECTIVE MASK	**Model**	: VR-03
Sample Send Org.	: İBRAHİM YILDIZ TEKSTİL SAN. TİC.LTD.ŞTİ.	**Sampler**	: CUSTOMER
Manufacturer Name	: İBRAHİM YILDIZ TEKSTİL SAN. TİC.LTD.ŞTİ.		
Analysis Date	: 26.08.2020		
Sample Quantity	: 100 pieces		
Other informations	: VIROUT MASK		

No	Tests	Results		Limit Value	Method	Evaluation	Physical Condition
1	Total Iward Leakage (Mask)	Genearal:1,7 Subjects:1,7 (%)		General≤5 Subjects≤2	TS EN 149+A1 Part 8.5	PASS	
2	Flammability (Mask)	No flame seen.		Max. 5 s flame	TS EN 149+A1 Part 8.6	PASS	
3	Carbon Dioxide Content of the Inhalation Air	0,9 (%)		Max %1	TS EN 149+A1 Part 8.7	PASS	
4	Exhalation Resistance	2,5 (mbar)		FFP3≤3,0 mbar	TS EN 149+A1 Part 8.9.2	PASS	
5	Inhalation Resistance	30 L/dk	0,4 (mbar)	FFP3≤1mbar	TS EN 149+A1 Part 8.9.3	PASS	
		95 L/dk	2,8 (mbar)	FFP3≤3mbar	TS EN 149+A1 Part 8.9.3		
6	Penetration of Filter Material	Sodium Chloride	0,9 (%)	FFP3≤1 %	BS EN 13274-7	PASS	
		Paraffin Oil	0,8 (%)	FFP3≤1 %	BS EN 13274-7		

SAMPLE PLACE

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Operating as an experimental laboratory, MNA Laboratories have been accredited by TURKAK with AB-1183-T and TS_EN_ISO / IEC_17025: 2017 standard. Turkish Accreditation Agency (TÜRKAK) signed a multilateral agreement with the European Accreditation Association (EA) on the recognition of test reports and a mutual recognition agreement with the International Laboratory Accreditation Association (ILAC).
*** Analysis is under accreditation.**

Note :

1. No part of this analysis report can be used alone or separately, and may not be partially copied or reproduced, used to third parties and as a means of advertising without the written permission of the laboratory.
2. Analysis results are valid for the above mentioned sample sent by MNA Laboratory company / institution / person. It may not represent the whole.
3. Unsigned and unsealed reports are invalid.
4. This analysis report cannot be used in judicial-administrative procedures and for advertising purposes.
5. Results are valid for the sample as received.
6. The decision rule is the rule that determines how measurement uncertainty is taken into account when specifying the PASS density to a specified specification. According to the TLM-052 Decision Rule Implementation instruction, the Decision Rule Implementation Method selected in agreement with CUSTOMER is clearly stated in the report.
7. Limit Values are determined by taking from analysis methods.
8. The laboratory is not responsible if the information provided by the CUSTOMER affects the validity of the results.
9. Test and / or measurement results, expanded measurement uncertainties (if any) and test methods are given in the following pages, which are the supplementary part of this certificate.
10. Water Repellency Determination Hydrostatic Pressure Determination TS ISO 811 (Hydrostatic Pressure Tester E / N: 53) Analysis, Seam Strength EN ISO 13965-2 (Strength Test Device E / N: 50) Analysis and resistance to liquid chemical permeation TS EN 659 -A1 Part 3.18 (Liquid Chemical Transfer Device E / N: 107) Analysis is carried out in the conditioning room and ISO 139 PART 3.2 conditions (23 ± 2 ° C temperature and 50 ± 4% relative humidity) are applied for ambient conditions.
11. List of phthalates analyzed is below.
Di-iso-nonyl phthalate (DINP), CAS number: 28553-12-0 or 68515-48-0
Di- (2-ethylhexyl) phthalate (DEHP), CAS number: 117-81-7
Di-n-octyl phthalate (DNOP), CAS number: 117-84-0
Di-iso-decyl phthalate (DIDP), CAS number: 26761-40-0 or 68515-49-1
Butyl benzyl phthalate (BBP), CAS number: 85-68-7
Di-butyl phthalate (DBP), CAS number: 84-74-2

Selin GERGİN
Sampling and Reporting Officer

Erhan ÜSTÜNEL
PPE Lab Responsible

Confirmed
07.09.2020
Volkan AKIN
Laboratory Manager

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