



Product:	Neolution®Air Loop	 
REF:	253	
Manufacturer:	DACH Schutzbekleidung GmbH & Co. KG	

Classification:	<ul style="list-style-type: none"> ▪ CAT III Personal Protective Equipment accordingly Regulation (EU) 2016/425 ▪ Class I Medical Device according to Regulation (EU) 2017/745. ▪ Helmke Drum Test accordingly IEST-PR-CC003.4: Category I <p>We recommend the use in clean rooms accordingly EN ISO 14644-1: ISO class 3 to ISO class 9.</p>
Protection class:	<p>Particle filtering half mask FFP2 NR D accordingly EN 149:2001+A1:2009.</p> <p>Additionally complies with the requirements for Type IIR medical face masks according to EN 14683:2019+AC:2019 in terms of bacterial filtration efficiency, splash resistance pressure and microbial cleanliness.</p> <p>Very good skin compatibility scientifically proven by testing accordingly EN ISO 10993-5 (cytotoxicity), EN ISO 10993-10 (sensitization) and EN ISO 10993-23 (irritation): The materials used are not cytotoxic, not sensitizing and not irritating.</p>
Materials:	<ul style="list-style-type: none"> ▪ Mask: Polypropylene nonwoven ▪ Ear loops: textile elastic made from polyester and elastane, free from natural latex ▪ Nose clip: metal wire covered by plastic
Product description:	<p>The three-part respirator and medical face mask Neolution®Air Loop impresses with high-quality materials that guarantee the wearer maximum comfort. High-tech filter material generates a high filtering performance against solid and liquid aerosols with extremely low breathing resistance.</p> <p>Due to the three flexible mask parts, the mask follows the jaw movements when speaking. This ensures a constant tight fit.</p> <p>Quick and secure donning and doffing thanks to elastic ear loops. The thick ear loops fit comfortably around the ear without cutting in.</p> <p>Maximum protection even under extreme conditions: for disposable masks voluntary dolomite dust loading test passed!</p>

Product performance:	Product performance accordingly EN 149:2001+A1:2009						
	Filter efficiency						
	Class	Requirement			Test result		
		Maximum penetration			Actual penetration		
		NaCl 95 l/ min	Paraffin oil 95 l/min		NaCl 95 l/ min	Paraffin oil 95 l/min	
	FFP2 NR D	6%	6%		0,84%	<6%	
	Breathing resistance						
	Class	Requirement			Test result		
		Maxium breathing resistance (mbar)			Actual breathing resistance (mbar)		
		Inhalation		Exhalation	Inhalation		Exhalation
		30 l/min	95 l/min	160 l/min	30 l/min	95 l/min	160 l/min
	FFP2 NR D	0,7	2,4	3,0	0,2	0,7	1,18
Carbon dioxide content of inhalation air							
Class	Requirement (max.)			Test result			
FFP2 NR D	1%			0,68%			

	Product performance according to EN 14683:2019 +AC:2019						
	Bacterial filtration efficiency (BFE)						
	Class		Requirement		Test result		
	Type IIR		≥98 %		>99,7 %		
	Splash resistance pressure						
	Class		Requirement		Test result		
	Type IIR		≥16,0 kPA		16,0 kPA		

	Microbial cleanliness		
	Class	Requirement	Test result
	Type IIR	Maximum CFU/g value	Actual CFU/g value
		< 30	≤ 16
	*CFU = colony forming units.		
	Test results Helmke-Drum Test IEST-PR-CC003.4 (Average)		
	Particle size	Particle count (per cm²)	Helmke-Drum Test IEST-PR-CC003.4 Climatic conditions: 18°C +/- 2°C, 50% - 10% RH
	≥ 0,3 µm - < 0,5 µm	0,00066	
	≥ 0,5 µm - <1,0 µm	0,00058	
	≥ 1,0 µm - < 5,0 µm	0,00058	
	≥ 5,0 µm	0,00006	
Packaging and Variants	The product can be supplied in packages of 50 pieces per box or 3 pieces per bag.		
	Packaging	Quantity	
	Box	50 pcs.	
	Carton	300 pcs.	
GTIN and Colours:	253/W	White	4049825006558
	253/RO	Pink	4049825006930
	253/GY	Grey	4049825006947
	253/FL	Lilac	4049825006954
	253/B	Blue	4049825006961
	253/MT	Mint	4049825007098
Packaging and Variants	Packaging	Quantity	
	Bag	3 pcs.	
	Carton	270 pcs.	

GTIN and Colours:	253-3/W	White	4049825007289
	253-3/RO	Pink	4049825007296
	253-3/GY	Grey	4049825007302
	253-3/FL	Lilac	4049825007319
	253-3/B	Blue	4049825007326
	253-3/MT	Mint	4049825007333
Use:	For single use. Read the instructions before use.		
Storage:	Store in a dry place without direct sunlight in the original packaging (see packaging). If the storage conditions are observed, the product has a storage life of 5 years (see labelling on the product).		
Environmental sustainability and disposal:	In the case of contaminated products, the nature and extent of the contamination determines the disposal, following the applicable laws and regulations of the relevant country. A non-contaminated product can be thermally recycled or disposed of in landfills without releasing toxic substances.		