



<b>Product:</b>	Neolution®Air	 
<b>REF:</b>	255	
<b>Manufacturer:</b>	DACH Schutzbekleidung GmbH & Co. KG	

<b>Classification:</b>	<ul style="list-style-type: none"> <li>▪ CAT III Personal Protective Equipment accordingly Regulation (EU) 2016/425</li> <li>▪ Class I Medical Device according to Regulation (EU) 2017/745.</li> <li>▪ Helmke Drum Test accordingly IEST-PR-CC003.4: Category I</li> </ul> <p>We recommend the use in clean rooms accordingly EN ISO 14644-1: <b>ISO class 3 to ISO class 9.</b></p>
<b>Protection class:</b>	<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>
<b>Materials:</b>	<ul style="list-style-type: none"> <li>▪ Mask body: Polypropylene nonwoven</li> <li>▪ Head strap: textile elastic made of polyester and elastane, free from natural latex</li> <li>▪ Nose clip: metal wire covered with plastic</li> </ul>
<b>Product Description:</b>	<p>The three-part respirator Neolution®Air 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 movable parts, the mask follows the jaw movements during speech. This ensures a constant tight fit.</p> <p>Textile headgear ensures a secure fit of the mask to the face. The straps fit comfortably on the head without pinching or pulling hair.</p> <p>Maximum protection even under extreme conditions: for disposable masks voluntary dolomite dust clogging test passed!</p>

<b>Product performance:</b>	<i>Product performance according to EN 149:2001+A1:2009</i>
	<b>Filter efficiency</b>

	Class	Requirement		Test result			
		Maximum penetration		Actual penetration			
		NaCl 95 l/min	Paraffin oil 195 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			
		Maximum 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 the inhaled 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		≤ 12					

	*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
	≥ 0,3 µm - < 0,5 µm	0,00066	Climatic conditions: 18°C +/- 2°C, 50% - 10% RH
	≥ 0,5 µm - <1,0 µm	0,00058	
	≥ 1,0 µm - < 5,0 µm	0,00058	
	≥ 5,0 µm	0,00006	
Colour:	White		
Packaging and variants:	Packaging	Quantity	
	Box	50 pcs.	
	Shipping carton	300 pcs.	
GTIN:	255	4049825006541	
Packaging and variants:	Packaging	Quantity	
	Bag	3 pcs.	
	Shipping carton	270 pcs.	
GTIN:	255-3	4049825007395	
Use:	For single use. Read the instructions for use 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 labeling on the product).		
Environmental sustainability and disposal:	In the case of contaminated products, the type and extent of contamination determines the disposal, and the applicable laws and regulations of the relevant country must be followed.  A non-contaminated product can be thermally recycled or disposed of in landfills without releasing toxic substances.		