Technical Data Sheet
Dräger X-plore® Gas filter

1.0	**General Data**		
1.1	Manufacturer	Dräger Safety AG & Co. KGaA	
1.2	Designation	Dräger X-plore 8500 Gasfilter A2	
		A2	K2
1.3	Dräger part number	6739580	6739585
	GTIN-Code	04026056008544	04026056013418
1.4	Intended use	Respiratory protection against vapours and gases in combination with the Powered Air Purifying System X-plore 8000 and a specified face piece. Scope of protection as indicated by product documentation, technical standards and installed application rules.	
1.5	Relevant standdards	EN12941:2009-02, EN12942:2009-02 (System approval in combination with the powered air purifying respirator X-plore 8000)	
2.0	**Design & Construction**		
2.1	Connection to Powered Air Purifying Respirator	The filter is inserted into the fan unit (with the color marking pointing downward toward the device) until it snaps audibly into place. Then the splash guard lid is set over the filter until it snaps audibly into place.	
2.2	Materials	Filter housing PC-ABS / ABS	
		Filter material activated carbon	
2.3	Design	Two angular gas filter cartridges are sealed within the nearly angular filter housing. There is a molded gasket on the curved bottom. The whole filter is sealed in a water vapor impermeable barrier bag and the seal is equipped with a blue transport protection against undefined deformation due to the vacuum in the barrier bag.	
2.4	Working principle	Gases and vapours are removed from the ambient air by adsorption onto the sorbent (activated carbon).	
2.5	Dimensions	245 x 138 x <75 mm	
2.6	Weight	< 1kg	
3.0	**Performance Data**	(Minimum requirements in accordance with standard)	
3.1	Mechanical resistance	Resistant to shock and vibration as required by EN 12941: 2009-02 / 12942: 2009-02	
3.2	Chemical resistance	For normal use conditions the filter is resistant against temperature, humidity and corrosives. The filter is especially chemically resistant to the filter materials (sorbents). Ingress of water or other liquids must be avoided.	

Filter type and class	Test gas	Concentration		Breakthrough	Minimum breakthrough
A2	Cyclohexane (C_6H_{12})	0,1 % by vol.	3,5 mg/l	10 ml/m³	70 min
K2	Ammonia (NH_3)	0,1 % by vol.	0,7 mg/l	25 ml/m³	50 min

NOTE The minimum breakthrough times given in this table are intended only for laboratory tests under standardized conditions. They do not give an indication of the possible service time of the filter in practical use. Possible service times can differ from the breakthrough times determined according to this standard in both directions, positive and negative depending on the conditions of use.

4.0	**Packaging, storage and documentation**	
4.1	Packaging	Each filter is sealed in an aluminum barrier bag under vacuum and packed in a cardboard box. Packaging unit is 1 piece
4.2	Storage	The filter needs to be stored in ist original packaging dry and free of contamination and kept from direct sunlight or heat radiation. Do not store the filter in explosive environments. Storage temperature -10°C to 60 °C Storage humidity ≤ 95% relative humidity Service life max. 6 years (4+2) from date of manufacture
4.3	Markings	banderole: marking includes color coding in accordance with EN 12941/12942, batch number and expiry date.
4.4	Instruction for use	Each packaging unit contains an IFU in the following languages: English, German, French, Spanish, Portuguese, Italian, Dutsch, Danish, Finnish, Norwegian, Schwedish Additional IFU: Bulgarian, Romanian, Slowenian, Slovakian, Tchech, Hungarian Additional IFU: Croatian, Polish, Russian,Turkish, Chinesisch
5.0	**User Notes**	
5.1	System usability	Only suitable for use with the Dräger X-plore 8000 Powered Air Purifying Respirator.
5.2	Limitations	The filter conforms to the minimum requirements of the standard indicated by the class and type of the filter it is marked with. It must be noted that laboratory values can differ from those measured in practice. This may result in longer or shorter break through times. The user must read and understand the instructions for use. Additionally the knowledge of all relevant application rules is mandatory (see in particular the limitations in use). Further information on request.