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To whom it may concern,

I hereby confirm that:

1. The DURAN® Membrane GL 45 Screw Cap order code: 1088655 was discontinued on 01 January 2018.
2. The replacement product is:
DURAN® Sterile Venting Membrane 0.2µm screw cap, GL 45, PP, blue
Order code: 291182809

Below is a comparison of the material performance specifications:

Specification	1088655	291182809
Membrane pore size (µm)	Not specified	0.2
Membrane thickness (µm)	190 +/- 20	340 +/- 100
Membrane gas flow rate (L per minute per cm² at specified pressure)	3.2 – 11.8 (at 0.7 bar)	3.8 - 10.3 (at 1.0 bar)
Membrane water intrusion (kPa)	83 – 103	130 – 235
Vent hole number and diameter mm (Total vent area mm²)	1 x Ø 7 (38.5)	3 x Ø 9 (190.9)
Membrane material	Expanded PTFE	Expanded PTFE with polypropylene mesh support
Certification membrane material	Not specified	USP <88> 121 °C Class VI
Cap material	Polypropylene	Polypropylene
Method of membrane attachment	Ultrasonic welding	Ultrasonic welding
Manufacturing location Cap body moulding	Approved DWK Life Sciences supplier, Thuringia, Germany.	Approved DWK Life Sciences supplier, Thuringia, Germany.
Manufacturing location membrane attachment and packing	Approved DWK Life Sciences supplier, Baden-Württemberg, Germany.	Approved DWK Life Sciences supplier, Bavaria, Germany.

Please do not hesitate to contact me if your require any further information.

Yours sincerely,

ARees

i.V Alistair Rees - Product Manager Labware