

Table 1. Product Satisfaction Questionnaire summary table

1. Physical appearance/look of the two formulations							
	DBG	ZDG	Both	DBG %	ZDG %	Both %	
a) Which one do you prefer?	61	1	5	91.0	1.5	7.5	
b) Which one looks like it has a smoother, more uniform appearance (i.e. less lumpy)?	65	1	1	97.0	1.5	1.5	
c) Which one looks the best quality?	59	1	7	88.1	1.5	10.4	
d) Which one looks the most appealing to use?	62	1	4	92.5	1.5	6.0	
e) Over a long period of time which one would you prefer to use?	60	3	4	89.6	4.5	6.0	
2. The suitability and performance of their containers and dispensing devices							
	DBG	ZDG	Both	DBG %	ZDG %	Both %	
a) Which bottle and dispenser looks the most convenient to handle in use?	60	6	1	89.6	9.0	1.5	
b) Which bottle and dispenser looks the most hygienic?	53	11	3	79.1	16.4	4.5	
c) Which bottle and dispenser looks the easiest to use?	60	5	2	89.6	7.5	3.0	
d) Which bottle and dispenser looks the most suitable for a medicinal product?	56	9	2	83.6	13.4	3.0	
3. The written instructions and medical advice supplied with the products							
	DBG	ZDG	Both	DBG %	ZDG %	Both %	
a) Which leaflet is likely to encourage the most patient benefit from using the emollient?	46	12	9	68.7	17.9	13.4	
b) Which leaflet includes the most helpful healthcare advice on how to look after dry skin?	61	4	2	91.0	6.0	3.0	
4. The handling characteristics of the two formulations							
	DBG	ZDG	Both	DBG %	ZDG %	Both %	
a) Which cream would you prefer to use?	50	7	10	74.6	10.4	14.9	

Table 2. Zerodouble and Doublebase gels - composition

Function	Zerodouble	Doublebase
Emollients	Isopropylmyristate15% Liquid Paraffin15%	Isopropylmyristate15% Liquid Paraffin15%
Preservative	Phenoxyethanol	Phenoxyethanol
Humectant	Glycerin	Glycerol
Emulsifier	Acrylates	Carbomer
Emulsifier/Surface Wetting Agent	Sorbitan Laurate	Sorbitan Laurate
pH modifier	Triethanolamine	Triethanolamine
Water base	Purified Water	Purified Water

Figure 1. a-d Structural behaviour of DBG and ZDG in the presence of salts

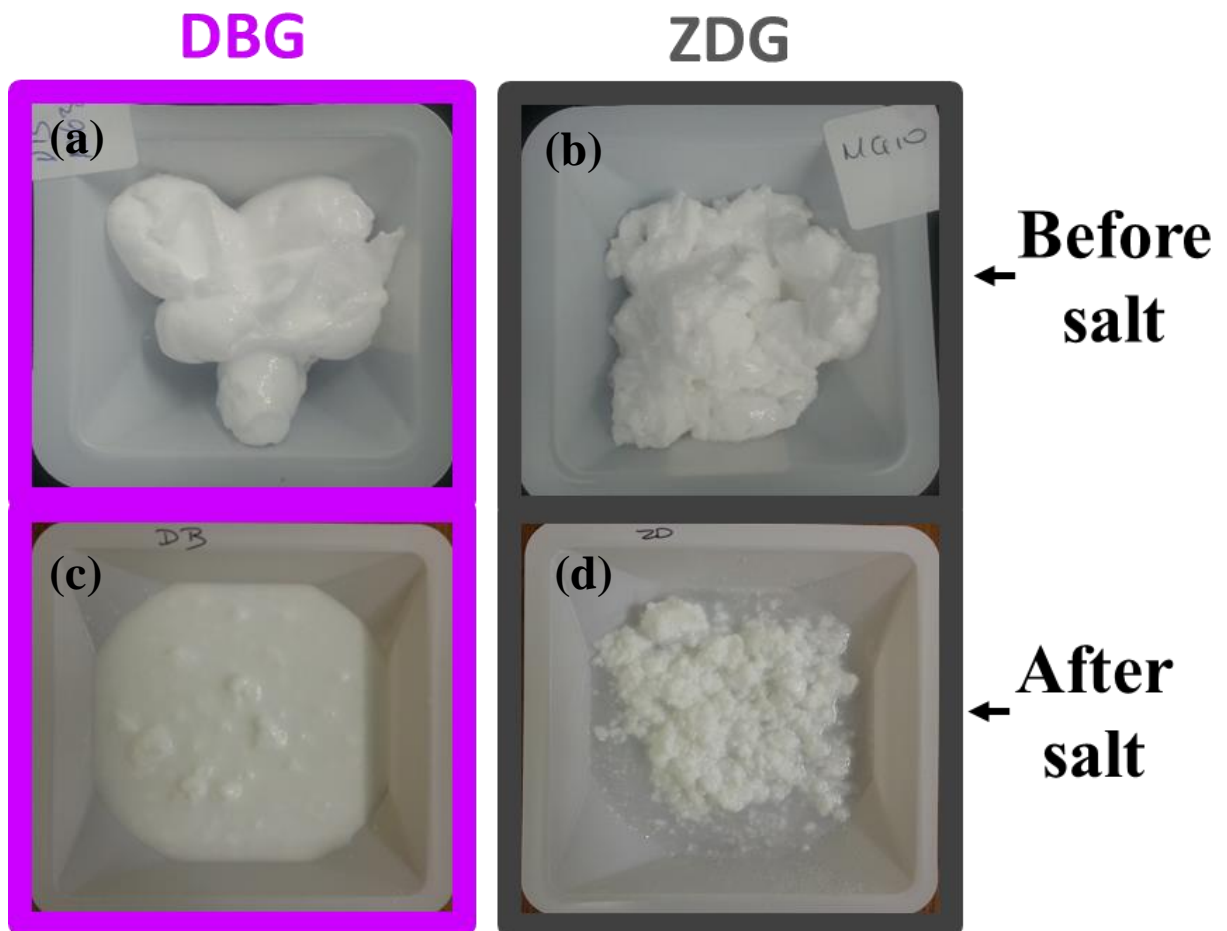


Figure 2. a-h Laser microscopy images of different areas of DBG and ZDG samples before and after salt treatment obtained at x60 magnification

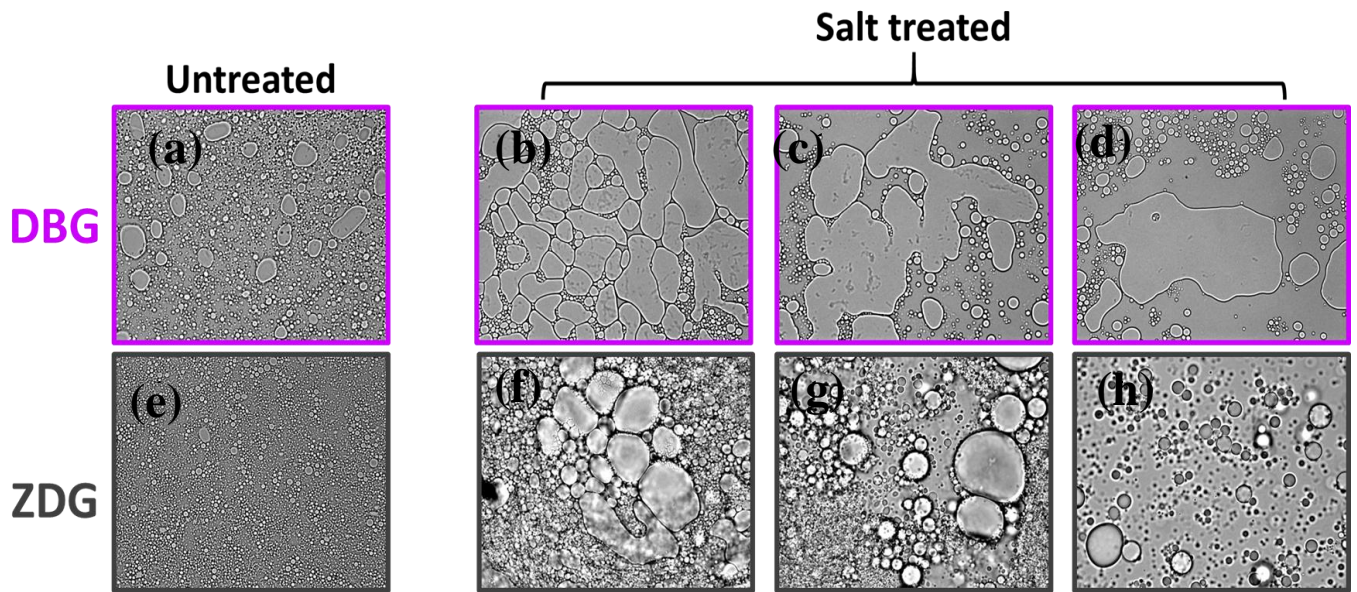


Figure 3. Firmness/stiffness (a) and stickiness (b) indicator of DBG and ZDG prior to and after exposure to salts. ZDG* and DBG* indicate salt treated samples.

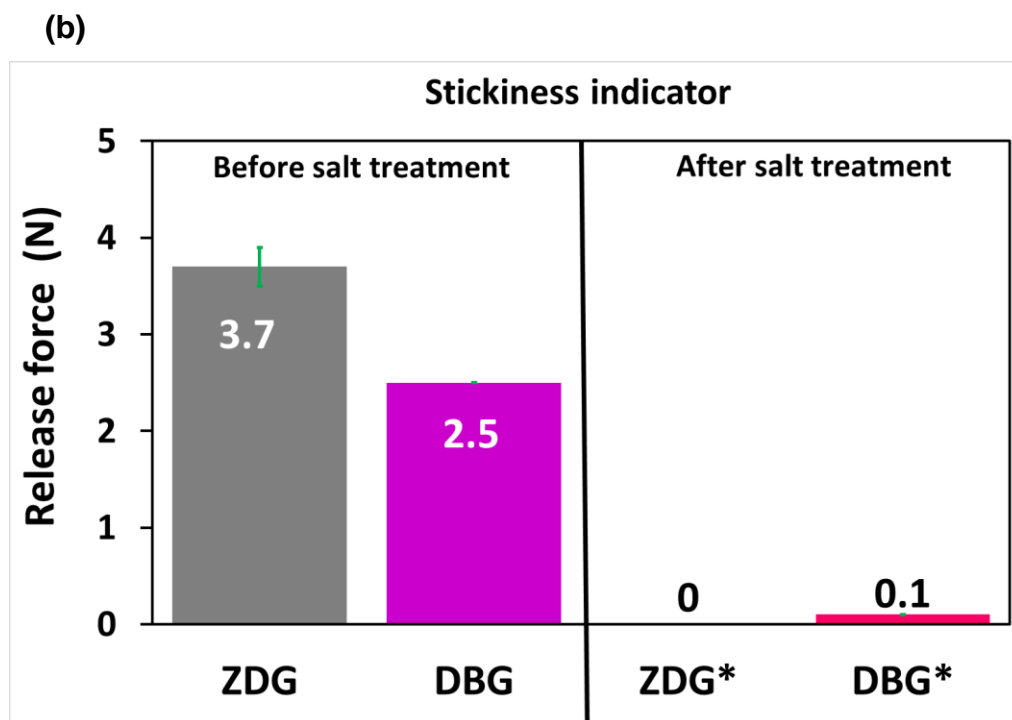
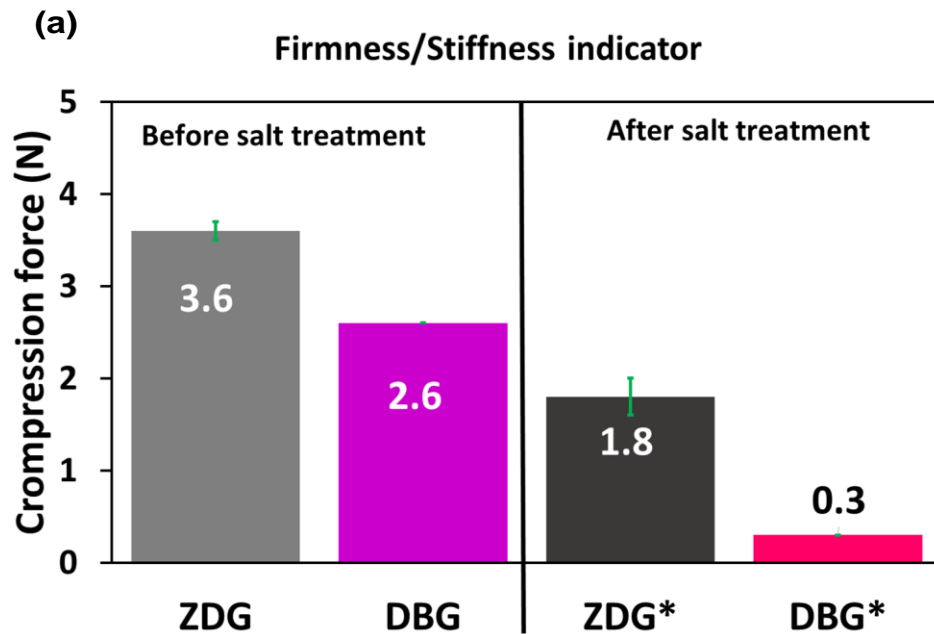


Figure 4. Spreadability of DBG and ZDG prior to and after exposure to salts

