



**GLUTEN FREE
WATCHDOG**

Gluten Analysis: Purell Advanced Hand Sanitizer (Refreshing Aloe) (Not Labeled GF)

Test date: June 27, 2018

Assay used: Sandwich R5 ELISA (R7001) with cocktail extraction; Competitive R5 ELISA (R7021) with ethanol extraction

Limit of Quantification for this assay: 5 parts per million (ppm) of gluten; 10 ppm gluten

Testing facility: Bia Diagnostics, LLC, Colchester, Vermont, www.biadiagnostics.com

Sample Number	Lot Number	Extraction 1	Extraction 2	Mean
PHS (Sandwich)	EXP 03/2021	< 5 ppm gluten	< 5 ppm gluten	< 5 ppm gluten
PHS (Competitive)*		< 10 ppm gluten	< 10 ppm gluten	< 10 ppm gluten

*A competitive ELISA, such as the competitive R5 ELISA, is used when protein has been hydrolyzed. The competitive R5 ELISA only requires one sequence of QQPFP. While the competitive R5 ELISA has been validated in a multi-lab international trial there continue to be concerns among some researchers about this assay, including the standards used and interpretation of what the findings actually mean (eg, the results may be more qualitative than quantitative).

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Test results provide a snapshot picture of the gluten content of this product at one point in time. There is no way of knowing without testing many more samples whether the results of the one sample tested are representative of the gluten content of this product as a whole.