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Process Change Notification

Affected Products	Recombinant gliadin peptides and deamidated gliadin peptides
Product numbers	G005, G006, G007, G051, G052, G054, G055
Reason	Need for reliable method for determination of protein concentration.
Change description	So far, protein concentration is determined using Bradford Protein Assay. To overcome possible variability caused by Bradford reagents etc., we have just changed our protein determination method: Protein concentration is now determined by A280 measurement using the theoretical extinction coefficient (see table below).

No.	Name		Theoretical extinction coefficient E1%
G051	26mer gliadin peptide		20.15
G052	33mer gliadin peptide		20.69
G055	Carrier protein control		23.17
G007	26mer DGP (DGPx1)		20.14
G054	33mer DGP		20.69
G006	DGPx2		18.64
G005	DGPx4		16.93

Conformity assessment	Comparative measurements using both methods were performed.
Measures	<p>Starting with May 2024, protein concentration of recombinant gliadin peptides and deamidated gliadin peptides is determined by A280. The respective extinction coefficient is noted on the CoA.</p> <p>Lots produced before May 2024 with Bradford as protein method are sold off.</p> <p>This change notification is implemented on our website. Customers who already ordered recombinant gliadin peptides and deamidated gliadin peptides in the past are going to be notified about the change by email.</p>
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Revision Number	1
Note	This document is valid without a signature.