WALTER J. RIEMER GmbH
Hermannstr. 40
20095 Hamburg
Tel: +49 40 33 73 55
Fax: +49 40 33 73 15
Email: info@wj-riemer.de

Specification

Product Name		**BILBERRY 36%**	
Product Number		**2050**	
Date	**October 22, 2015**	**Page**	**1 / 2**

Characteristics	Value	Lower limit	Upper limit
Color			
Visual evaluation in sample vial	**violet to dark violet**		
Appearance/condition			
Visual evaluation in sample vial	**powder**		
Loss on drying			
1 g sample, 110 degr. C, 3 hours	**%**	**max.**	**4,5**
Particle size			
Sieve Analysis, 10 min			
< 0.600 mm (USS# 30)	**%**	**100,0**	**min.**
Heavy metals			
Heavy metals calculated as lead	**ppm**	**max.**	**30**
GLC, Headspace			
GLC Headspace			
Ethanol	**ppm**	**max.**	**1000**
Methanol	**ppm**	**max.**	**10**
Identity (TLC)			
thin layer chromatography	**comparable to standard**		
Assay (Pharmacopoeia)			
Quantitative determ.			
Anthocyanins (HPLC)			
calculated as			
Cyanidin-3-O-glucoside chloride	**%**	**36,0**	**min.**
Quantitat. determ.			
Anthocyanidins (HPLC)			
calculated as Cyanidin chloride	**%**	**max.**	**1,0**

WALTER J. RIEMER GmbH
Hermannstr. 40
20095 Hamburg
Tel: +49 40 33 73 55
Fax: +49 40 33 73 15
Email: info@wj-riemer.de

Specification

Product Name		**BILBERRY 36%**	
Product Number		**2050**	
Date	**October 22, 2015**	**Page**	**2 / 2**

Characteristics	Value	Lower limit	Upper limit
Sulphated ash (Pharmacopoeia)			
Sulphated ash (EUR. PH.)	**%**	**max.**	**3,0**
Assay			
UV spectrum in methanolic HCl 0,1%			
Anthocyanidin, as Delphinidin	**%**	**25,0**	**min.**
Total aerobic count			
Poured Plate	**per g**	**max.**	**1000**
Moulds and yeasts			
Poured Plate	**per g**	**max.**	**100**

Specification processed automatically and therefore has no signature.