VERISOL®
Beauty from Within

Technical Information

AMINO ACID COMPOSITION

VERISOL® P

Amino Acid	weight %	mol %
Hydroxyproline	11,5	9,7
Aspartic acid	5,6	4,7
Serine	3,4	3,6
Glutamic acid	9,8	7,4
Glycine	22,1	32,5
Histidine	1,2	0,9
Arginine	8,4	5,3
Threonine	1,9	1,8
Alanine	8,1	10,0
Proline	12,6	12,0
Tyrosine	1,0	0,6
Hydroxylysine	1,6	1,1
Valine	2,4	2,3
Methionine	0,4	0,3
Lysine	3,9	3,0
Isoleucine	1,3	1,1
Leucine	2,7	2,3
Phenyalanine	2,1	1,4

Analytical Method

The amino acid composition was determined by amino acid analysis as described in Pharm. Eu. 2.2.56 (5.08).
The proteins were hydrolysed for 24 h to their individual amino acid constituents in the presence of 6 n HCl at 110 °C. The amide links in the side chains of glutamine and asparagine are hydrolyzed to form glutamic acid and aspartic acid. Following the hydrolysis, the amino acids are covalently labelled with 6 – aminoquinolyl-N-hydroxysuccinimidyl carbamate (AQC; AccQ-Flour reagent, Waters Inc.) using a precolumn derivatisation technique. The derivatives are separated by C_{18} reversed-phase HPLC and quantified by fluorescence detection.
(Determination of data: Prot@gen AG, Dortmund, Germany, 2012).