COMMISSION OF THE EUROPEAN COMMUNITIES

COMMUNITY BUREAU OF REFERENCE - BCR

CERTIFIED REFERENCE MATERIAL

CERTIFICATE OF ANALYSIS

BCR No 191 N° 270

TRACE ELEMENTS IN LYOPHILISED BROWN BREAD

Element	Mass fraction (based on dry mass)		Number of accepted sets of results p
	Certified Value (1)	Uncertainty (2)	
Cd	28.4 $ng.g^{-1}$	± 1.4 $ng.g^{-1}$	12
Pb	187 $ng.g^{-1}$	± 14 $ng.g^{-1}$	12
Cu	2.6 $\mu g.g^{-1}$	± 0.1 $\mu g.g^{-1}$	8
Zn	19.5 $\mu g.g^{-1}$	± 0.5 $\mu g.g^{-1}$	13
Fe	40.7 $\mu g.g^{-1}$	± 2.3 $\mu g.g^{-1}$	12
Mn	20.3 $\mu g.g^{-1}$	± 0.7 $\mu g.g^{-1}$	11

(1) *This value is the unweighted mean of p values, each value being the mean of a set of results as obtained by different laboratories and methods.*

(2) *The uncertainty is taken as the 95% confidence interval of the mean value (1) and is applicable when the reference material is used for calibration purposes. When the reference material is used to assess the performance of a method, the user should refer to the recommendations laid down in the last chapter (Instructions for use) of the certification report.*

DESCRIPTION OF THE SAMPLE

The sample is a homogeneous powder consisting of particles that have passed through a 125 µm sieve. It is provided in screw-cap, dark glass bottles in units of approximately 40 g.

INSTRUCTIONS FOR USE

The portion for analysis should be taken after mixing the contents of the bottle. The moisture content is to be determined by drying another portion of the sample at 103 ± 2°C as described in the certification report (Chapter 11, Instructions for use). The recommended minimum sample intake is 200 mg.

All care must be taken to avoid contamination during opening of the bottle and handling of the material. The bottle should be stored in a dark and cool place.

Brussels, December 1986

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for certified true copy