Warszawa, 04.05.2009

This report includes results of the research in scope of accreditation as well as non-accredited examinations.

Our ref.: ZO-PBJFS-113/2009
Task symbol: TO – 104

Name and address of the ordering party:
Enbio Technology Sp. z o.o.
ul. Słonecznikowa 2
81-198 Kosakowo

Analysis object:
Pr.TO-104/1 – Concentrated apple juice marked with K letter, package: plastic container of approximately. 100 ml – 1 piece
Pr.TO-104/2 – Concentrated apple juice marked with 110, package: plastic container of approximately. 100 ml – 1 piece
Pr.TO-104/3 – Concentrated apple juice marked with 120, package: plastic container of approximately. 100 ml – 1 piece
Pr.TO-104/4 – Concentrated apple juice marked with 125, package: plastic container of approximately. 100 ml – 1 piece
Pr.TO-104/5 – Concentrated apple juice marked with 130, package: plastic container of approximately. 100 ml – 1 piece
Pr.TO-104/6 – Concentrated apple juice marked with 135, package: plastic container of approximately. 100 ml – 1 piece

Samples taken and delivered by the Ordering Party

Date of receiving the object to be analysed: 23.04.09
Dates of analyses: 27.04.09 – 28.04.09

Identification of the methods applied:
Turbidity stating method using nephelometer, value in NTU, as agreed with Ordering Party.
The result has been obtained as mean value of two repetitions.
INS-ZO/PBJFS 47: Genesys 10UV Spectrophotometer operational manual.
The result has been obtained as mean value of two repetitions.
*PN-EN 12143: 2000 Fruit and vegetable juices. Estimation of soluble solids content: Refractometric method.
PN-ISO 4120:2007 Sensory analysis: Methodology. Triangle test.

Analysis results:

Index of Quality	**Values determined for concentrated apple juices:**		
	Pr.TO-104/1 Concentrated apple juice marked with K	**Pr.TO-104/2 Concentrated apple juice marked with 110**	**Pr.TO-104/3 Concentrated apple juice marked with 120**
Physicochemical analysis for diluted juice Eref = 11.2 %			
- Extract ref. (%)	70,1*	69,8*	69,8*
- Transmission (%) (λ = 440 nm)	55,1	55,2	54,7
- Transmission (%) (λ = 620 nm)	95,1	93,3	93,1
- Turbidity (NTU)	1,61	1,35	1,45

Index of Quality	**Values determined for concentrated apple juices:**		
	Pr.TO-104/4 Concentrated apple juice marked with 125	**Pr.TO-104/5 Concentrated apple juice marked with 130**	**Pr.TO-104/6 Concentrated apple juice marked with 135**
- Extract ref. (%)	69,8*	69,7*	69,9*
- Transmission (%) (λ = 440 nm)	54,6	54,2	53,9
- Transmission (%) (λ = 620 nm)	93,1	93,0	92,9
- Turbidity (NTU)	1,85	1,60	2,00

The result of triangle sensory testing of taste and smell of TO-104/1 and TO-104/6 samples has been proper identification of 11 out of 24 triangles. So, no distinct difference of taste and smell of the analyzed samples has been noticed at α = 0.10.