Certificate of Analysis
LAB210595-1

SPECTRAL SERVICE

Analysis method: quantitative 1H-NMR spectroscopy
Instrument: Bruker Avance III HD 500 MHz with autom. sample changer & BBFOPLUS SmartProbe
Freeze-drying device Beta 1-8 LSC plus with LyoCube (Martin Christ GmbH, Osterode, D)
Internal Standard: Nicotinic acid amide (NSA; Sigma-Aldrich, Buchs (CH), Art.-Nr. 72340; RG 9)

Sample Ident.:	**Fresh unfiltered aloe vera juice**		**Batch: F216/1**
Spectral Service Code	**LAB210595-1**		**Results from: 15/07/2022**
	Content [%]	**Content [mg/l]**	**Origin of component**
Aloverose (polysaccharide)	20.4	4209.6	fresh Aloe Vera
Glucose	11.1	2291.6	fresh Aloe Vera
Malic acid	5.7	1167.8	fresh Aloe Vera
Lactic acid	Not detected		degradation (bacterial)
Citric acid	9.8	2009.2	WLM or added acidifier
WLM	Not detected		whole leaf marker (WLM)
Fructose	Detected		fresh Aloe Vera
Mg	0.2	44.5	fresh Aloe Vera
Ca	1.6	327.7	fresh Aloe Vera
Maltodextrin	Not detected		formulation aid for drying
Acetic acid	Detected		degradation (hydrolysis)
Succinic acid	Not detected		degradation (enzymatic)
Fumaric acid	Not detected		degradation (enzymatic)
Sodium benzoate	Not detected		added preservative
Potassium sorbate	Detected		added preservative
Other**	Detected		unknown
Dry matter	2.1		
Aloin***		Not determined	
Aloeemodin***		Not determined	

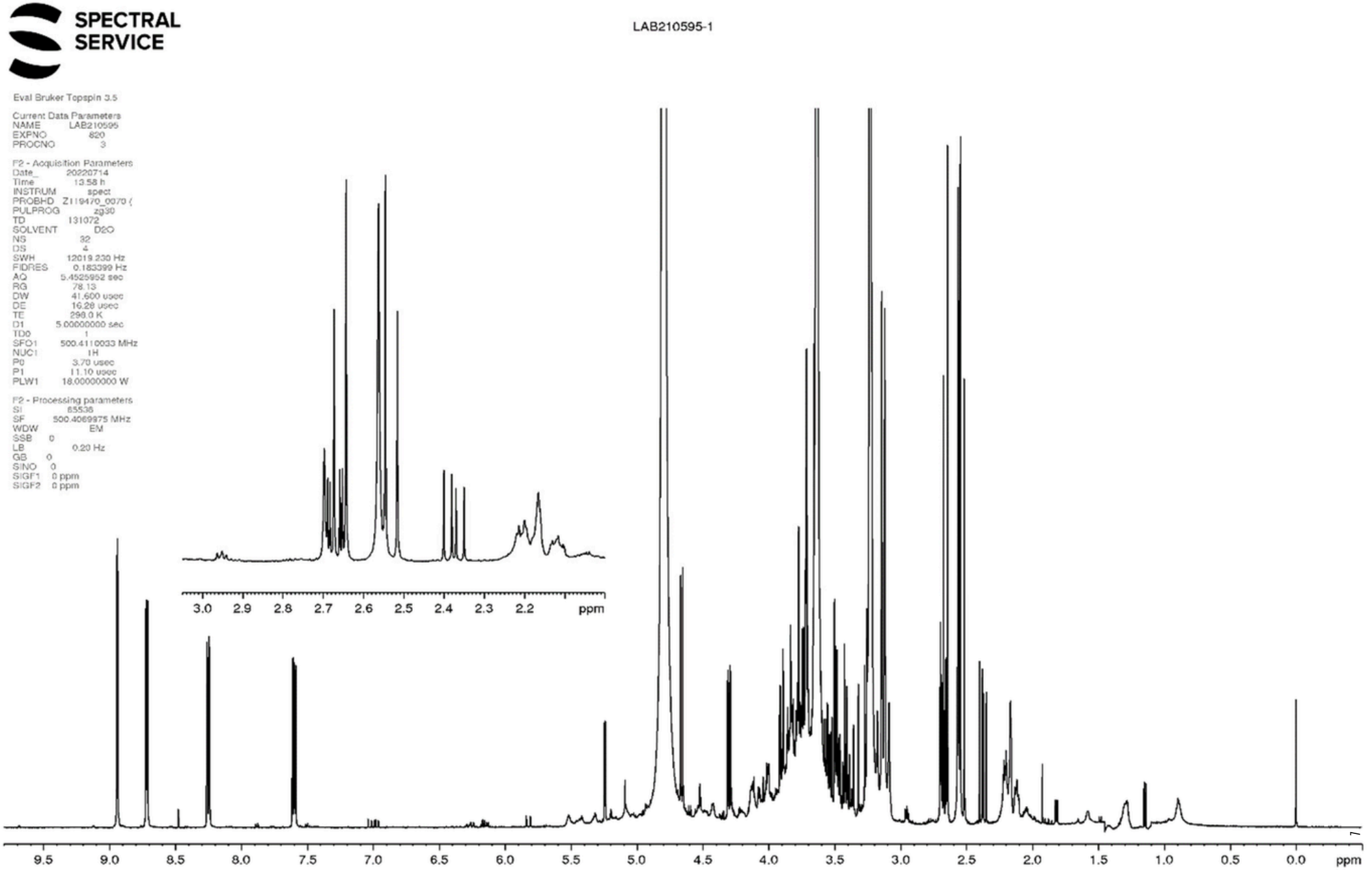

Fig. 1 ^{1}*H-NMR spectrum of test item LAB210595-1*