Annex A - Discussion paper on novel formulations of supplement compounds designed to increase oral bioavailability

Abbreviations

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ASA Advertising Standards Authority

AUC0-n Integrated area under the time-concentration curve following administration of a compound from 0 to n hours.

BCM-95 Curcumin formulation composed of 95% standardised

curcuminoids and turmeric essential oils.

BDMC Bisdemethoxycurcumin

BMI Body mass index

CBD Cannabidiol

Cmax Highest plasma concentration achieved following administration of

a compound.

The Committee on Toxicity of Chemicals in Food, Consumer

Products, and the Environment

DAGs Diacylglycerols

DMC Demethoxycurcumin

FFA Free fatty acids

GIT Gastrointestinal tract

GRAS Generally recognised as safe.

HBGV Health-based guidance value

LCFA Long chain fatty acids

MAGs Monoacylglycerols

MCT Medium chain triglycerides

MTHF Methyltetrahydrofolate

NAD+ Nicotinamide adenine dinucleotide

NIH National Institutes of Health

NLC Nanostructured lipid carriers

NMN Nicotinamide mononucleotide

PDI - Polydispersity index

SE(M/N)DDS Self-emulsifying (micro/nano) drug delivery system

SLCP Solid lipid curcumin particles

SLN Solid lipid nanoparticles

Tetrahydrocurcumin (c.f. the cannabinoid tetrahydrocannabinol

'THC', is not discussed in this paper)

Timepoint following administration of a compound at which highest

plasma concentration is achieved.