

CASE OF STUDY

AUTHENTICATION AND TRACEABILITY OF GINKGO BILOBA COMBINING DNA BARCODING AND NMR TECHNOLOGY

AUTHENTICATION WITH DNA BARCODING

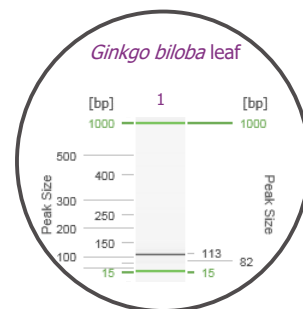
From plant biomass



DNA EXTRACTION



DNA SEQUENCING



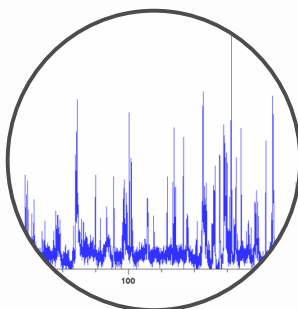
**REFERENCE SEQUENCE
OBTAINED**

TRACEABILITY WITH NMR METHOD

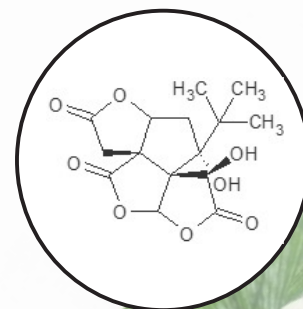
From plant Extract



GINKGO EXTRACT



DETECTION OF NMR SIGNALS



**SPECIFIC GINKGO
CHEMICAL MARKERS**

TO CONTROL RAW MATERIAL AUTHENTICITY AND PROVE TRACEABILITY

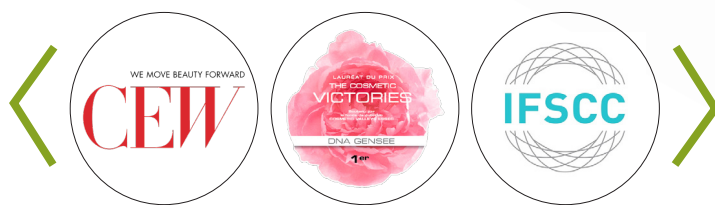


DNA Gensee

A laboratory specializing in genetic signature of plants and algae

DNA BARCODING for botanical identification and geographical origin checking

DNA METABARCODING for contamination and fraud detection in ingredients and natural products



A company specializing in the chemical profiling of natural extracts

NMR-BASED for dereplication of natural metabolites in complex mixtures

CONTACT US

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