



JIANGSU KHONOR CHEMICALS CO.,LIMITED

CERTIFICATION OF ANALYSIS

NAME	Silymarin	QUANTITY	450kgs
MFG. DATE	Mar. 29, 2025	BATCH NO.	250329A
EXP. DATE	Mar. 28, 2027	Package	25kg drums
Extract solvent	Acetone	Application	Healthcare product

Index	Specification	Test result
Appearance	Amorphous Powder	Conforms
Color	Yellow to Yellowish-Brown	Pass test
Odour	Slight, Specific	11.7
Identification by HPLC	Pass test	Pass test
Sulphated Ash $\leq\%$	0.5	0.1
Heavy metal $\leq\text{ppm}$	20	<20
Loss on drying (2h@105 °C) $\leq\%$	5	3.2
Particle through 80 mesh $\geq\%$	90	>90
Assay of Silymarin (Tested by UV) $\geq\%$	80	88.1
Assay of Silymarin (Tested by HPLC) $\geq\%$	45	45.4
-Silybin A.B. %	/	24.2
-Isosilybin A. %	/	6.1
Silydianin&Silychristin %	/	15.2
Residual Solvents - N-hexane $\leq\%$	0.029	<0.029
Residual Solvents - Methanol $\leq\%$	0.3	<0.3
Residual Solvents - Acetone $\leq\%$	0.5	<0.5
Residual Solvents - Ethanol $\leq\%$	0.5	<0.5
Total bacterial Count $\leq\text{cfu/g}$	1000	<1000
Total Yeast & Mold $\leq\text{cfu/g}$	100	<100
Staphylococcus aureus	Negative	Negative
Salmonella	Negative	Negative
Escherichia Coli	Negative	Negative

Analyst: Bing Liu

Approver: Kai Zhang