



ASEPSIS
MARKETING
**PRODUCT
PROFILE**

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CAFFEINE



ABOUT US

Asepsis Marketing is an International biopharmaceutical marketing company dedicated to improve patients' lives by every single effort. Company strives to do research, develop and market workable products that cater to most urgent medical needs. We carry a distinct profile of products and other articles with a sharp focus in the areas of immediate requirements. We specialize in offering commercial products in other therapeutic domain that holds scope for intervention to address critical health demands. In the role of contributing value to the sufferer's lives, we are regularly in the process of spread out our marketing product portfolio and our research and development pipeline in healing zone that can leverage our years of experience. We execute this by means of a growth strategy of upward sales of the existing products in our range; acquiring marketable products that are in late-stage development; and pursuing focused development of our pipeline of gadgets and materials to emerging medical requests.





OUR PRODUCTS

1 CAFFEINE
PHARMA GRADE

2 CAFFEINE
FOOD GRADE



WHAT IS CAFFEINE



Caffeine is a natural stimulant found in various plants, including coffee beans, tea leaves, cacao beans, and kola nuts. It belongs to a class of compounds called methylxanthines. Caffeine acts on the central nervous system, temporarily warding off drowsiness and restoring alertness.

When consumed, caffeine is rapidly absorbed into the bloodstream and travels to the brain. There, it blocks the action of adenosine, a neurotransmitter responsible for promoting sleep and relaxation. By inhibiting adenosine, caffeine increases neuronal firing and the release of other neurotransmitters such as dopamine and norepinephrine, which promote alertness and arousal.

Aside from its stimulating effects on the central nervous system, caffeine has been associated with several potential health benefits when consumed in moderation. These include improved cognitive function, enhanced physical performance, and a reduced risk of certain diseases like Parkinson's disease, Alzheimer's disease, and some types of cancer.

However, excessive consumption of caffeine can lead to adverse effects such as insomnia, jitteriness, increased heart rate, digestive issues, and dependence. The tolerance to caffeine varies among individuals, and some people may be more sensitive to its effects than others.

Caffeine is commonly consumed in the form of coffee, tea, energy drinks, soft drinks, chocolate, and certain medications. The amount of caffeine in these products can vary significantly, so it's essential to be mindful of your overall caffeine intake to avoid negative side effects.

CERTIFICATE OF ANALYSIS OF CAFFEINE



PHARMA GRADE

Name of the Product: **CAFFEINE IP (ANHYDROUS)**
 Batch No. : CB-246068
 Date of Sampling : 27/03/24
 Batch Size : 800 Kg
 Qty. Sampled : 150 gm

A.R. No : APL3/FP/240696
 Date of Release : 01/04/24
 Mfg. Date : Mar'2024
 Exp. Date : Feb'2029

Testing specification No: QCD/SP/FP/CF/01

S.R. No	TESTS	SPECIFICATIONS	RESULTS
1.	Description	Silky white crystals, white glistening needles or a white Crystalline powder, Odourless; sublimes readily.	White Crystalline powder, Odourless.
2.	Solubility	Freely soluble in chloroform and in boiling water; sparingly soluble in water and in ethanol (95%); slightly soluble in ether.	Complies
3.	Identification Tests A is carried out.	A: Determine by infrared absorption spectrophotometer (2.4.6), after drying the substance under examination, at 100° for 1 hour. Compare the spectrum with that obtained with caffeine RS or with the reference spectrum of caffeine.	Complies
4.	Appearance Of Solution	1.0 % w/v solution is clear and colourless.	Solution is clear and colourless.
5.	Acidity Or Alkalinity	NMT 0.1 ml of 0.02M sodium hydroxide is required to change to blue colour.	0.05 ml of 0.02M sodium hydroxide is required to change to blue colour.
6.	Related Substance (By HPLC)	Individual Impurity NMT 0.1 %	0.015 %
		Total impurities NMT 0.1 %	0.034 %
7.	Arsenic	Not more than 3 ppm	Less than 3 ppm
8.	Heavy Metals	Not more than 20 ppm	Less than 20 ppm
9.	Sulphated Ash	Not more than 0.1%	0.06 %
10.	Loss on Drying	Not more than 0.5%	0.26 %
11.	Assay (By HPLC)	Caffeine contents, Not less than 98.5 % and Not more than 101.5 % of C ₈ H ₁₀ N ₄ O ₂ , Calculated on the dried basis.	99.8 %

REMARK: The sample complies /Does not comply with IP standard specifications.

Authorized By: Zunjar S. Bagal



CERTIFICATE OF ANALYSIS OF CAFFEINE



FOOD GRADE



FINISHED PRODUCT (BULK DRUG) CERTIFICATE OF ANALYSIS

(Under the Drugs & Cosmetics Act 1940 and Drugs & Cosmetics Rules 1945 thereunder)

Name of the Product: CAFFEINE FCC (ANHYDROUS)

Batch No. : CB-221457

Date of Sampling : 29/09/22

Batch Size : 800 Kg

Qty. Sampled : 100 gm

A.R. No : AIL3/FP/222548

Date of Release : 03/10/22

Mfg. Date : Sep'2022

Exp. Date : Aug'2027

Testing specification No: QCD/SP/FP/CF/03

S. R. No	TESTS	SPECIFICATIONS	RESULTS
1	Description	White powder or white glistening needles, usually matted together, Is odourless and has a bitter taste.	White powder, odourless and has a bitter taste.
2	Solubility	Sparingly soluble in water and in alcohol, Freely soluble in chloroform, slightly soluble in ether.	Complies
3	Identification	A: The spectrum of the sample exhibits maxima at the same wave length as those in the spectrum of reference standard.	Complies
		B: The retention time of the major peak (excluding the solvent peak) in the chromatogram of the sample solution corresponds to that of standard solution in the assay.	Complies
4	Assay (By HPLC) On anhydrous basis	NLT 98.5% and NMT 101.0% of $C_8H_{10}N_4O_2$, Calculated on the anhydrous basis.	99.7 %
5	Impurities (Inorganic Impurities)		
a	Lead by FAAS	NMT 1mg/kg	Complies
b	Other alkaloids	No precipitate formed	Complies
6	Specific Tests		
a	Melting Range	235 °C to 238°C	236.5°C
b	Readily carbonizable substances	The colour of the resulting sample solution is no darker than that of matching fluid D	Complies
c	Residue on ignition	Not more than 0.1%	0.04 %
d	Water	Not more than 0.5%	0.22 %

REMARK: The Sample Complies /Does-Not-Comply with FCC standard specifications.

ND = Not Detected

Authorized By: Zunjar S. Bagal

PACK SIZE

1 100 Gm

2 250 Gm

3 500 Gm

4 1 Kg

5 2 Kg

6 5 Kg

7 25 Kg



CLIENTS FEEDBACK



FOOD GRADE CAFFEINE

We've been using Food Grade Caffeine as a key ingredient in our energy drink formulation for the past year, and it has become an indispensable component of our product line.

One of the most impressive aspects of Food Grade Caffeine is its purity and consistency. The high-quality caffeine extract ensures that our energy drinks have a reliable and uniform caffeine content, which is crucial for delivering consistent energy-boosting effects to our consumers. This has helped us build trust and loyalty among our customer base, as they know they can rely on our products for a reliable energy boost whenever they need it.

Furthermore, we appreciate the excellent solubility of Food Grade Caffeine. It dissolves easily in our beverage formulations without leaving any residue or affecting the taste profile of the final product. This has simplified our manufacturing process and ensured that our energy drinks maintain their desired flavor and texture consistently.

Another standout feature of Food Grade Caffeine is its cost-effectiveness. Despite its high quality, the competitive pricing of this caffeine extract has allowed us to maintain a competitive edge in the market while maximizing our profitability.

Overall, we couldn't be more satisfied with Food Grade Caffeine. It has proven to be an essential ingredient in our energy drink formulations, offering superior quality, reliability, and cost-effectiveness. We highly recommend it to any beverage manufacturer looking for a top-notch caffeine extract."

PHARMA GRADE CAFFEINE

We've been utilizing Pharma Grade Caffeine as an active ingredient in our pharmaceutical formulations for the past two years, and it has consistently met and exceeded our expectations.

One of the most remarkable qualities of Pharma Grade Caffeine is its exceptional purity and pharmaceutical-grade standards. As a pharmaceutical company, ensuring the highest level of purity and consistency in our products is paramount, and Pharma Grade Caffeine delivers on both fronts. The stringent quality control measures in place ensure that each batch of caffeine meets the strictest standards of pharmaceutical excellence, providing us with the confidence we need in our formulations.

Moreover, Pharma Grade Caffeine has proven to be highly versatile and compatible with a wide range of pharmaceutical formulations. Whether it's tablets, capsules, or liquid suspensions, Pharma Grade Caffeine seamlessly integrates into our formulations without compromising their stability or efficacy. This versatility has significantly streamlined our product development process and allowed us to bring new pharmaceutical products to market more efficiently. Additionally,

In conclusion, Pharma Grade Caffeine has become an indispensable component of our pharmaceutical formulations, offering unmatched purity, versatility, and customer support. We highly recommend it to other pharmaceutical companies seeking a reliable source of pharmaceutical-grade caffeine.



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