RADAD INTERNATIONAL

SPECIFICATION SHEET FOR NATURAL COCOA POWDER

General Information

PRODUCT DESCRIPTION	Natural Cocoa Powder
PROCESS	Roasting, Grinding, Pressing, Pulverizing
MANUFACTURER INFORMATION	**RADAD INTERNATIONAL COMPANY LIMITED** info@radadinternational.com
COUNTRY	Nigeria

Sensory Description

Appearance	Free flowing without lumps and foreign matter
Colour	Different shades of reddish brown
Taste	No off flavour
Odour	No off odour

Chemical Parameters

		Min	**Max**	**Units**	**Method**
Total Fat		10	12	%	IOCCC 37, 1990
Moisture Content			5.0	%	IOCCC 1,1990
pH	In maximum 10% solution	5.4	6.6	pH Units	IOCCC 15, 1972
Ash Content	On Fat Free DM		12	%	IOCCC 16, 1973
Fineness	Wet Sieve Residue	98.0		%	IOCCC 11, 1970
Shell Content	On Alkali Free Nibs		1.75	%	AOAC 970.23

Microbiological Parameters

		Min	**Max**	**Units**	**Method**
Total Plate Count	-		≤10,000	CFU/g	IOCCC 39, 1990 no. 2
Moulds and Yeast Count	-		≤100	CFU/g	IOCCC 39, 1990 no. 7
		Value		**Units**	**Method**
Coliforms	-	Negative		/g	IOCCC 39, 1990 no. 5
Eschericia coli	-	Negative		/g	IOCCC 39, 1990 no. 4
Salmonella	-	Negative		/50g	IOCCC 39, 1990 no. 8

Packaging and Storage Information/ Recommendations

	Description	**Units**	**Comment**
Shelf life	24	Months	Store in a cool, odourless area
RelativeHumidity	Max 65	%	Storage area should be ventilated
StorageTemperature	22 – 25 Max	°C	
TransportTemperature	26	°C	

RADAD
INTERNATIONAL

Allergen declaration

Allergenic foods and derivatives	By-Nature constituent of the Cocoa Liquor *(i.e. intentionally added)*	Potential Cross-Contact (CC) with the Cocoa Liquor
Celery and product thereof	**No**	**No**
Cereals cont. gluten and prod. thereof	**No**	**No**
Barley	**No**	**No**
Rye	**No**	**No**
Oat	**No**	**No**
Wheat (such as, spelt, khorazan wheat)	**No**	**No**
Crustacean and products thereof	**No**	**No**
Eggs and products thereof	**No**	**No**
Fish and products thereof	**No**	**No**
Lupin and products thereof	**No**	**No**
Milk and products thereof *(excl. lactose)*	**No**	**No**
Lactose	**No**	**No**
Molluscs and products thereof	**No**	**No**
Mustard and products thereof	**No**	**No**
Peanuts and products thereof	**No**	**No**
Sesame seeds and products thereof	**No**	**No**
Soybean and products thereof	**No**	**No**
(Tree) nuts and products thereof	**No**	**No**
Almonds	**No**	**No**
Brazil nuts	**No**	**No**
Cashews	**No**	**No**
Hazelnuts	**No**	**No**
Macadamia nuts	**No**	**No**
Pecans	**No**	**No**
Pistachio nuts	**No**	**No**
Walnuts	**No**	**No**
Sulphur dioxide and sulphites ***(total of SO_2 added and naturally present)***	**No**	**No**
Naturally present	**No**	**No**
Added sulphites	**No**	**No**

GMO Declaration

No genetically modified organisms (GMO's) or transgenic breeding raw cocoa beans were used in the production of this product.