

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



Islamic Republic of Afghanistan



AFGHAN NATIONAL STANDARDS AUTHORITY (ANSA)

Afghan National Standards Authority (ANSA)



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Afghan National Standards Authority (ANSA)

FF standards developed by ANSA

The 6 FF standards developed by ANSA with the financial and technical assistance of GAIN are as following:

- AS 475:2014 Standard for Fortified edible oils and ghee-specification
- AS476:2014 Standard for Fortified wheat flour- specification
- AS477:2014 Standard for Iodized edible salt- specification
- AS545:2014 Standard for Lipid-based nutrient supplements
- AS579:2015 Standard for Formulated complementary foods for older infants and young children
- AS495:2014 Standard for Multiple micronutrient powders



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Afghanistan flour fortification standards are based on WHO recommendation

Nutrient	Flour extraction rate	Compound	Level of nutrient to be added in parts per million (ppm) by estimated average per capita wheat flour availability (g/day)			
			<75g/day	75-149g/day	150-300g/day	>300g/day
Iron	Low	NaFeEDTA	40	40	20	15
		Ferrous sulphate	60	60	30	20
		Ferrous fumarate	60	60	30	20
		Electrolytic iron	NR	NR	60	40
	High	NaFeEDTA	40	40	20	15
Folic acid	Low or high	Folic acid	5.0	2.6	1.3	1.0
Vitamin B12	Low or high	Cyanocobalamin	0.04	0.02	0.01	0.008
Vitamin A	Low or high	Vit A palmitate	5.9	3	1.5	1
Zinc	Low	Zinc oxide	95	55	40	30
	High	Zinc oxide	100	100	80	70
NR – Not Recommended						



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Decision of National FF Committee

- According to analysis of the Academy for the mandatory fortification of high-extraction wheat flour the following 4 micronutrients are selected:
- Vitamin B9 (folate)
- Vitamin B12 (cyanocobalamin)
- Iron (NaFeEDTA)
- Zinc (zinc oxide)
- It was agreed in the this committee as it was considered in June meeting since the Afghanistan flour fortification standard is fully complying with WHO recommendations , the recommended number and level of micronutrient is accepted for Afghanistan.



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Decision of National FF Committee (continue...)

- According to the academy analysis the level of Vit B12 in harmonized regional standard for low extraction flour which is mostly used in Afghanistan and Pakistan it would be acceptable to use the 0.004 mg/kg instead of 0.008mg/kg (based on scientific analysis), after log discussions in consideration the cost of premix and facilitation of trade , the technical committee agreed and accepted the proposed change by Kazakh Academy of Nutrition on level of Vit B12 from 0.008 mg/kg to 0.004mg/kg.
- To have unique and acceptable labels for imported fortification products, the committee agreed on that the Afghan National Standard for the Labeling of Prepackaged Foods AS 416:2014 based on CODEX Std 1:1985 should be used and no need to develop separate standard on that.



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Decision of National FF Committee (continue...)

Conclusion:

- Therefore, to avoid the high cost of fortified wheat flour and have the harmonized standards for the flour fortification at regional level, the proposed harmonized standards for flour fortification at regional level have been approved by the technical committee and would be processed to become as a national standard.
- Also for labeling of imported fortified products, the Afghan National Standard for the Labeling of Prepackaged Foods AS 416:2014 based on CODEX Std 1:1985 should be used and no need to develop separate standard on that.



**Thank you very much for your
attention**