

KBT-STD v1.3 | Issued: November 2025 | Controlled copy – do not reproduce

POOL SAMPLE - Parameters to be met			
CHEMISTRY			
Test factor	Symbol	Preferable range	Note
Hardness	as CaCO ₃	200 ppm (mg/L)	200 ppm is useful for compass pools
Turbidity	NTU	< 0.5	up to 1.0 is acceptable
pH		7.5 - 8.5	7.8 (winter) - 8.3 (summer) - average
Ammonia / ammonium	NH ₃ / NH ₄	---	keep track of data
Nitrate	NO ₃	< 70 (mg/L)	keep track of data
Temperature {C}		(+) 35 - (+)5	NOT ALLOWED to use the pool when the temp. is higher than 35 degrees.
ORP		150 - 450	keep track of data
Free chlorine		0 ppm	DO NOT USE CHEMICALS
Total chlorine		0 ppm	
Cyanuric Acid		0 ppm	

MICROBIOLOGY			
GRADE	EXCELLENT	GOOD	POOR
Standard / reference	STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 23RD EDITION.	Thermo-mineral sanitary code (IL)	EU directive 2006/7/ EC
	Referred to chloride pools standard	EU directive 2006/7/ EC	exceeding one of the parameters of GOOD grade - must take a new sample to a certified laboratory for validation of results.
			After validation of results - do not use the pool and contact your local dealer or KMOBATEVA
Quantity	[CFU/100ml]	[CFU/100ml]	[CFU/100ml]
Total bacteria count	< 10,000	< 10,000	> 50000
Total coliforms bacteria	< 10	< 50	> 500
Fecal coliforms	< 3	< 30	> 100
Pseudomonas spp.	< 10	< 100	> 100
Pseudomonas fluorescens	< 1	< 3	< 10
Pseudomonas aeruginosa	< 3	< 10	< 50
Enterococcus faecalis	< 1	< 3	< 10

IN CASE OF BODY LIQUIFIED STOMACH / INTESTINES MATERIAL IN THE POOL

EVACUATE THE POOL IMMEDIATELY - STOP THE KMOBATEVA SYSTEM ASAP - DRAIN THE WATER COMPLETELY FROM THE POOL, SYSTEM, AND PIPING WITH PROTECTION WEAR - DRY FOR 48 HOURS MINIMUM - WASH POOL SURFACES AND SYSTEM COMPONENTS WITH HIGH WATER PRESSURE PIPE & DETERGENT - MAKE SURE THAT THE DETERGENT IS DRAINED COMPLETELY - WASH WITH FRESH WATER IF NEEDED - DRY FOR 48 HOURS MINIMUM - REFILL WITH FRESH WATER - START SYSTEM - AFTER 8 HOURS OF OPERATION TAKE A SAMPLE TO A CERTIFIED LABORATORY - WHEN "GOOD" GRADE IS MET - YOU CAN ENTER THE POOL.

IN THE CASE OF SOLID BODY MATERIALS SUCH AS DEFECATION OR ANIMAL CARCASS

EVACUATE THE POOL - COLLECT THE MATERIALS ASAP - RAISE THE SYSTEM BY 300 RPM - AFTER 8 HOURS, COLLECT A SAMPLE AND DELIVER TO A CERTIFIED LABORATORY - IF THE RESULTS ARE AT "POOR" GRADE, WAIT ANOTHER 24 HOURS AND TAKE A NEW SAMPLE TO A CERTIFIED LAB - REPEAT SAMPLE PROCEDURE UNTIL "GOOD" GRADE IS MET - YOU CAN ENTER THE POOL.

IN THE CASE OF ANIMAL CARCASSES THAT DIED DUE TO PEST CONTROL

ACT AS STATED IN 'BODY' LIQUEFIED MATERIAL.

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