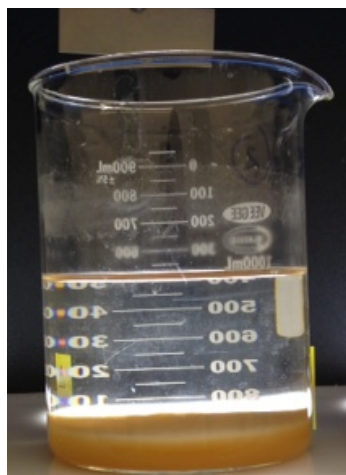


## PeroxyMax™ Bromate Formation Tests



Produced water sample  
treated with PeroxyMax +  
BluOx clarification

**Summary.** No bromate formation detected in simulated seawater or produced water under normal treatment conditions.

Water Type	Treatment	Bromide (mg/L)	Bromate (mg/L)
Seawater	none	116	ND
Seawater	20 mg/L PeroxyMax	136	ND
Seawater	80 mg/L PeroxyMax	119	ND
Produced Water	None	89.1	ND
Produced Water	20 mg/L PeroxyMax	79.0	ND
Produced Water	80 mg/L PeroxyMax	65.6	ND
Produced Water	80 mg/L PeroxyMax + BluOx clarification process	77.3	ND

- Seawater solution made with Instant Ocean saltwater aquarium mix, pH 8.1
- Produced water source from the DJ basin in CO, pH 7.9
- All samples produced in 800 mL jar tests at 20° C
- Analysis method EPA 300.1 (conducted by third party lab)