* **Mineral Elution Analysis**

Items	Fossil coral grain mineral concentration dissolution (mg/L)
Calcium (Ca)	5.04
Magnesium (Mg)	0.05
Sodium (Na)	0.50
Potassium (K)	0.03
Total Hardness	12.8

- Put 20g of fossil coral grains into 1L of purified water and stirred for 1 minute.
- Measured concentration of eluted mineral after 1 hour.
- Concentration of eluted mineral is measured by atomic absorption spectrophotometry.

* **Residual chlorine test**

Progress	Fossil coral grain	Tap water
1 hour later	0.3	0.3
5 hours later	0.2	0.3
8 hours later	0.2	0.3
24 hours later	<0.05	0.1

- Put 20g of fossil coral grains into 1L of tap water and stirred 1 minute.
- Measured the residual chlorine concentration in every elapsed time.
- Measured by the DPD reagent residual chorine concentration.

* **pH test**

Items	Purified water	Tap water
Only target water	6.5	7.9
Fossil coral grains	9.7	8.8

- Put 20g of fossil coral grains into 1L of tap water and purified water then stirred 1 minute.
- Meausred pH both after 1 hour.
- pH measured by Glass electrode method.

Test report by Okinawa environmental conservation laboratory August 18, 2009