



Hazards	skin reactions or burns
Tools/Equipment	100 ml graduated cylinder, phenol indicator, sulphuric acid burette, ceramic sample dish, stirring rod
Employee Group(s)	Facilities Management – Central Heating Plant

Required PPE:



Safety Shoes



Eye Protection



Ear Protection



Chemical Resistant Gloves

SAFE WORK PRACTICES

- Do not perform the procedure or operate the equipment until you have been appropriately trained and authorized to do so by your supervisor.
- Inspect required personal protective equipment (PPE) and replace if required.
- Safety eye wear and rubber gloves should always be worn when carrying out test procedures. Some of the test reagents used will cause skin reactions or burns and proper protection should be worn at all times.

PROCEDURE

1. Obtain 50 ml sample of boiler water.
2. Add drops of phenol indicator.
3. Titrate with sulphuric acid until sample turns clear.
4. Multiply reading times 20.
5. Keep sample for chloride test.
6. Limit 400-500.
7. Control ADJ 5050.

NOTE: All PPE, tools and equipment shall be used in accordance with provincial OH&S legislation, manufacturer's specifications, applicable standards and codes of practice.