```java
package player.playeragent;

import static org.junit.Assert.*;
import edu.neu.ccs.demeterf.demfgen.lib.List;
import gen.Constraint;
import gen.Derivative;
import gen.RawMaterial;
import gen.Type;

import org.junit.Test;

import player.Util;

public class DeliverAgentTest {

    @Test
    public void testDeliverRawMaterial(){
        Derivative d = new Derivative(null,null,null,Util.freshType(List.<Type>create()));
        DeliverAgent da = new DeliverAgent();
        d = da.deliverRawMaterial(d);

        assertTrue(d.optraw.isSome());
        RawMaterial rm = d.optraw.inner();
        assertTrue(rm.instance.cs.length() > 0);
        for(Constraint c: rm.instance.cs){
            assertEquals(c.r.v, Util.relationNumber(d.type));
            assertEquals(c.w.v,1);
        }
    }

}
```