```
r = Quantity[8.314, "Kilopascals" * "Liters" / ("Moles" * "Kelvins")]
p = UnitConvert[Quantity[1014.15, "Hectopascals"], "Kilopascals"]
tlab = UnitConvert[Quantity[20.5, "DegreesCelsius"], "Kelvins"]
mmg1 = Quantity[0.009, "Grams"]
vseringue1 = Quantity[8, "Milliliters"]
vep1 = Quantity[13.5, "Milliliters"]
vh21 = vep1 - vseringue1
nh21 = p * vh21 / (r * tlab);
nmg1 = nh21;
scin1 = ScientificForm[nh21]
massemolmg1 = mmg1 / nmg1
```

Out[239]= $8.314\ \mathrm{L\ kPa/(K\ mol)}$

Out[240]= $101.415\ \mathrm{kPa}$

Out[241]= $293.65\ \mathrm{K}$

Out[242]= $0.009\ \mathrm{g}$

Out[243]= $8\ \mathrm{mL}$

Out[244]= $13.5\ \mathrm{mL}$

Out[245]= $5.5\ \mathrm{mL}$

Out[248]//ScientificForm=

$2.28468 \times 10^{-4}\ \mathrm{mol}$

Out[249]= $39.3929\ \mathrm{g/mol}$

In[250]:=
```
mmg2 = Quantity[0.008, "Grams"]
       quantité
vseringue2 = Quantity[8, "Milliliters"]
             quantité
vep2 = Quantity[14, "Milliliters"]
       quantité
vh22 = vep2 - vseringue1
nh22 = p * vh22 / (r * tlab);
nmg2 = nh22;
scin2 = ScientificForm[nh22]
        forme scientifique
massemolmg2 = mmg2 / nmg2
```

Out[250]= 0.008 g

Out[251]= 8 mL

Out[252]= 14 mL

Out[253]= 6 mL

Out[256]//ScientificForm=

2.49238×10^{-4} mol

Out[257]= 32.0979 g/mol

In[274]:=
```
massemolmgth = Quantity[24.305, "Grams" / "Moles"]
               quantité
delta1 = massemolmg1 - massemolmgth
delta2 = massemolmg2 - massemolmgth
rel1 = UnitConvert[delta1 / massemolmgth, "Percent"]
       conversion d'unité
rel2 = UnitConvert[delta2 / massemolmg2, "Percent"]
       conversion d'unité
```

Out[274]= 24.305 g/mol

Out[275]= 15.0879 g/mol

Out[276]= 7.7929 g/mol

Out[277]= 62.0772%

Out[278]= 24.2785%