Pacific Red Ale

- Gravity 11.9 BLG
- ABV 4.8 %
- IBU **44**
- SRM **13**
- Style American Pale Ale

Batch size

- Expected quantity of finished beer 25 liter(s)
- Trub loss 5 %
- Size with trub loss 26.8 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 32.2 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 18.5 liter(s)
- Total mash volume 24.6 liter(s)

Steps

- Temp **67 C**, Time **50 min** Temp **72 C**, Time **9 min**
- Temp **75 C**, Time **1 min**

Mash step by step

- Heat up 18.5 liter(s) of strike water to 74.8C
- Add grains
- Keep mash 50 min at 67C
- Keep mash 9 min at 72C
- Keep mash 1 min at 75C
- Sparge using 19.9 liter(s) of 76C water or to achieve 32.2 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Hook Head Irish Pale Malt 4-6 EBC (Minch)	3.5 kg <i>(56.9%)</i>	80 %	6
Grain	Pilsner malt Muntons	1 kg (16.3%)	82 %	3
Grain	Amber Malt MINCH Kildare	0.5 kg <i>(8.1%)</i>	75 %	80
Grain	Cara Ruby CHATEAU	0.5 kg (8.1%)	72 %	50
Grain	Weyermanns Roasted Rye Malt	0.15 kg <i>(2.4%)</i>	71 %	800
Grain	Minch Irish Grown Wheat Malt	0.5 kg <i>(8.1%)</i>	81 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Pacific Gem (NZ) Leaf Harvest	25 g	60 min	14.5 %
Aroma (end of boil)	Mosaic Pellets Harvest	15 g	10 min	11.5 %
Aroma (end of boil)	Cascade USA Leaf Harvest	5 g	10 min	8.6 %

Aroma (end of boil)	Simcoe	10 g	5 min	13.2 %
Aroma (end of boil)	Pacific Gem (NZ) Leaf Harvest	10 g	5 min	14.5 %
Dry Hop	Simcoe	40 g	7 day(s)	13.2 %
Dry Hop	Pacific Gem (NZ) Leaf Harvest	40 g	3 day(s)	14.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
WLP041 - Pacific Ale Yeast July 2017	Ale	Liquid	1000 ml	dextera