- Gravity 15.4 BLG
- ABV 6.5 %
- IBU **47**
- SRM **4.7**
- Style American Pale Ale

Batch size

- Expected quantity of finished beer 19 liter(s)
- Trub loss 5 %
- Size with trub loss 19.9 liter(s)
- · Boil time 90 min
- Evaporation rate 10 %/h
- Boil size 25.2 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 13.8 liter(s)
- Total mash volume 18.4 liter(s)

Steps

- Temp 67 C, Time 60 min
 Temp 77 C, Time 5 min

Mash step by step

- Heat up 13.8 liter(s) of strike water to 74.8C
- Add grains
- Keep mash 60 min at 67C
- Keep mash 5 min at 77C Sparge using 16 liter(s) of 76C water or to achieve 25.2 liter(s) of wort

Fermentables

| Туре | Name | Amount | Yield | EBC |
|-------|-----------------------------|-----------------------|-------|-----|
| Grain | Briess - Pale Ale Malt | 3.9 kg <i>(70.9%)</i> | 80 % | 7 |
| Grain | Briess - Wheat Malt, Red | 0.7 kg <i>(12.7%)</i> | 81 % | 5 |
| Sugar | jaggery | 0.9 kg <i>(16.4%)</i> | % | |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------------------|--------|--------|------------|
| Boil | Northdown | 65 g | 90 min | 5 % |
| Boil | East Kent Goldings | 110 g | 5 min | 5.1 % |

Extras

| Туре | Name | Amount | Use for | Time |
|-------|------------|--------|---------|-------|
| Spice | kozieradka | 3 g | Boil | 5 min |

Notes

· maturation 8-12 weeks Apr 27, 2018, 5:56 AM