

4. Pacific Pale Ale Cara Ruby

- Gravity **12.6 BLG**
- ABV ---
- IBU **46**
- SRM **6.6**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **35 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.4 liter(s)**
- Total mash volume **23.2 liter(s)**

Steps

- Temp **68 C**, Time **70 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **17.4 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **70 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **23.4 liter(s)** of **76C** water or to achieve **35 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------|----------------|-------|-----|
| Grain | Pale Ale | 4.3 kg (74.1%) | 80 % | 4 |
| Grain | Pilznieński | 1 kg (17.2%) | 80 % | 3.5 |
| Grain | Cara Ruby Castle | 0.5 kg (8.6%) | 78 % | 49 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|-----------------|--------|----------|------------|
| Boil | Hallertau Blanc | 20 g | 60 min | 11 % |
| Boil | Enigma (AUS) | 15 g | 60 min | 17.2 % |
| Whirlpool | Kohatu | 25 g | 30 min | 7.8 % |
| Whirlpool | Motueka | 25 g | 30 min | 7 % |
| Whirlpool | Hallertau Blanc | 15 g | 30 min | 11 % |
| Whirlpool | Enigma (AUS) | 15 g | 30 min | 17.2 % |
| Dry Hop | Kohatu | 25 g | 5 day(s) | 7.8 % |
| Dry Hop | Motueka | 25 g | 5 day(s) | 7 % |
| Dry Hop | Hallertau Blanc | 15 g | 3 day(s) | 11 % |
| Dry Hop | Enigma (AUS) | 20 g | 3 day(s) | 17.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 12.5 g | Fermentis |

Notes

- Słód Monachijski 15 EBC 1 kg Belgia - Śrutowanie : Tak
Słód Pale Ale 5 kg Belgia - Śrutowanie : Tak
Słód Cara Ruby 50 EBC 0,5 kg Castlemalting - Śrutowanie : Tak
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