

10 wspałańcých

- Gravity **16.1 BLG**
- ABV **6.8 %**
- IBU **121**
- SRM **4.9**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **25 %/h**
- Boil size **21.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------|--------------|-------|-----|
| Grain | Viking Pale Ale malt | 4 kg (80%) | 80 % | 5 |
| Grain | Słód pszeniczny Bestmalz | 0.5 kg (10%) | 82 % | 5 |
| Grain | Płatki owsiane | 0.5 kg (10%) | 60 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|---------------|--------|----------|------------|
| Boil | lunga | 20 g | 60 min | 11 % |
| Boil | Simcoe | 10 g | 60 min | 13.2 % |
| Boil | Zula | 10 g | 60 min | 8.3 % |
| Boil | Nelson Sauvín | 10 g | 10 min | 11 % |
| Boil | Idaho Gem | 10 g | 10 min | 13.7 % |
| Boil | Cascade PL | 10 g | 10 min | 5.2 % |
| Boil | Enigma (AUS) | 10 g | 10 min | 17.2 % |
| Boil | Galaxy | 10 g | 10 min | 15 % |
| Boil | Simcoe | 10 g | 10 min | 13.2 % |
| Boil | Lotus | 10 g | 10 min | 15.2 % |
| Whirlpool | lunga | 10 g | 30 min | 11 % |
| Whirlpool | Sabro | 25 g | 30 min | 15 % |
| Dry Hop | Sabro | 25 g | 5 day(s) | 15 % |
| Dry Hop | Cascade PL | 20 g | 5 day(s) | 5.2 % |
| Dry Hop | Lotus | 20 g | 5 day(s) | 15.2 % |
| Dry Hop | Nelson Sauvín | 20 g | 5 day(s) | 11 % |
| Dry Hop | lunga | 20 g | 5 day(s) | 11 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------|------|------|--------|------------|
| us-05 | Ale | Dry | 20 g | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|------------------|--------|----------|--------|
| Water Agent | gips piwowarski | 2 g | Boil | 0 min |
| Water Agent | Kwas Askorbinowy | 5 g | Bottling | 0 min |
| Fining | Mech irlandzki | 5 g | Boil | 15 min |

Notes

- co z tego wyjdzie nwm
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