

Come or Nick

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **28**
- SRM **6.3**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **16 liter(s)**
- Trub loss **10 %**
- Size with trub loss **18.4 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **22.3 liter(s)**

Mash information

- Mash efficiency **66 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **16.6 liter(s)**
- Total mash volume **21.4 liter(s)**

Steps

- Temp **64 C**, Time **50 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **16.6 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **50 min** at **64C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **10.5 liter(s)** of **76C** water or to achieve **22.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 3.5 kg (73.7%) | 80 % | 5 |
| Grain | Monachijski | 0.5 kg (10.5%) | 80 % | 16 |
| Grain | Carahell | 0.3 kg (6.3%) | 77 % | 26 |
| Grain | Carared | 0.3 kg (6.3%) | 75 % | 39 |
| Grain | Platki owsiane | 0.15 kg (3.2%) | 60 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------------|--------|----------|------------|
| Boil | Ariana | 15 g | 50 min | 12 % |
| Boil | Barbe Rouge | 10 g | 15 min | 6.6 % |
| Aroma (end of boil) | Nelson Sauvín | 25 g | 1 min | 11 % |
| Dry Hop | Ariana | 35 g | 4 day(s) | 12.1 % |
| Dry Hop | Enigma (AUS) | 50 g | 4 day(s) | 17.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 11.5 g | --- |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|---------------|--------|-----------|-----------|
| Water Agent | Węglan Wapnia | 7 g | Mash | 60 min |
| Other | Wit.C | 1.5 g | Secondary | 10 day(s) |
| Other | Wit.C | 1.5 g | Bottling | --- |