

- Gravity **18.2 BLG**
- ABV **7.8 %**
- IBU **66**
- SRM **14**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **30 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|----------------|-------|-----|
| Grain | Strzegom Pale Ale | 2.5 kg (33.3%) | 79 % | 6 |
| Grain | Strzegom Monachijski typ II | 2.5 kg (33.3%) | 79 % | 22 |
| Grain | Strzegom Pilzneński | 1.5 kg (20%) | 80 % | 4 |
| Grain | Karmelowy Czerwony | 0.5 kg (6.7%) | 75 % | 59 |
| Grain | Karmelowy | 0.5 kg (6.7%) | 75 % | 150 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------------------|--------|--------|------------|
| Boil | Columbus/Tomahawk/Zeus | 20 g | 60 min | 15.5 % |
| Boil | Marynka | 30 g | 15 min | 10 % |
| Boil | Citra | 25 g | 10 min | 12 % |
| Boil | Dr Rudi | 25 g | 10 min | 11.8 % |
| Aroma (end of boil) | Citra | 25 g | 5 min | 12 % |
| Boil | ariana | 25 g | 1 min | 12 % |