

- Gravity **18.2 BLG**
- ABV ---
- 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 %       |