

Komunista Franz Jozef - no sparge

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **43**
- SRM **12.9**
- Style **Vienna Lager**

Batch size

- Expected quantity of finished beer **14.66 liter(s)**
- Trub loss **6 %**
- Size with trub loss **15.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **8 %/h**
- Boil size **18 liter(s)**

Mash information

- Mash efficiency **64 %**
- Liquor-to-grist ratio **4.6 liter(s) / kg**
- Mash size **20.7 liter(s)**
- Total mash volume **25.2 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------------------|----------------|-------|-----|
| Grain | Strzegom Wiedeński | 1.5 kg (33.3%) | 79 % | 10 |
| Grain | Weyermann - Carared | 2 kg (44.4%) | 75 % | 45 |
| Grain | Viking Malt Wędzony Czereśnią | 1 kg (22.2%) | 82 % | 12 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-----------------------|--------|--------|------------|
| First Wort | Magnat | 15 g | 60 min | 14.2 % |
| Boil | Saaz (Czech Republic) | 10 g | 30 min | 4.2 % |
| Aroma (end of boil) | Saaz (Czech Republic) | 10 g | 5 min | 4.2 % |
| Whirlpool | Saaz (Czech Republic) | 10 g | 15 min | 4.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|-------|-------|--------|------------|
| w34 | Lager | Slant | 200 ml | Safale |