

Szfajowe

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU ---
- SRM **23.3**
- Style **Schwarzbier**

Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **24.1 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.3 liter(s)**
- Total mash volume **20.4 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------------|---------------|-------|------|
| Grain | Pilzneński | 2 kg (39.2%) | 81 % | 4 |
| Grain | Monachijski | 2 kg (39.2%) | 80 % | 16 |
| Grain | Karmelowy Jasny 30EBC | 0.3 kg (5.9%) | 75 % | 30 |
| Grain | płatki jęczmienne | 0.5 kg (9.8%) | 60 % | 4 |
| Grain | Strzegom Czekoladowy ciemny | 0.1 kg (2%) | 68 % | 1200 |
| Grain | Carafa III | 0.2 kg (3.9%) | 70 % | 1034 |