

Scottish Ale

- Gravity **9 BLG**
- ABV **3.5 %**
- IBU **19**
- SRM **16.2**
- Style **Scottish Export 80/-**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **12.6 liter(s)**
- Total mash volume **16.2 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------------|----------------|-------|------|
| Grain | Simpsons - Golden Promise | 2.8 kg (77.8%) | 81 % | 4 |
| Grain | Strzegom Karmel 150 | 0.5 kg (13.9%) | 75 % | 150 |
| Grain | Brown Malt (British Chocolate) | 0.2 kg (5.6%) | 70 % | 128 |
| Grain | Strzegom Czekoladowy ciemny | 0.1 kg (2.8%) | 68 % | 1200 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------------------|--------|--------|------------|
| Boil | East Kent Goldings | 30 g | 60 min | 5.1 % |

Yeasts

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