

Apa

- Gravity **14.3 BLG**
- ABV **5.9 %**
- IBU **42**
- SRM **4.8**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **45 liter(s)**
- Trub loss **5 %**
- Size with trub loss **48.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **56.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **52 liter(s)**
- Total mash volume **65 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|---------------|-------|-----|
| Grain | Strzegom Pale Ale | 10 kg (76.9%) | 79 % | 6 |
| Grain | Strzegom Pilzneński | 3 kg (23.1%) | 80 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|--------|--------|--------|------------|
| Boil | Citra | 40 g | 30 min | 12 % |
| Boil | Simcoe | 30 g | 30 min | 12.6 % |
| Aroma (end of boil) | Citra | 30 g | 5 min | 12 % |
| Aroma (end of boil) | Simcoe | 70 g | 5 min | 12.6 % |
| Whirlpool | Citra | 30 g | 0 min | 12 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 23 g | --- |